

SONY®

VIDEOCASSETTE PLAYER

BVU-900

Professional **U**-matic **SP**

MAINTENANCE MANUAL

Volume 2 1st Edition

Serial No.10001 and Higher

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Warning—This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a computing device pursuant to Subpart J of Part 15 of FCC Rules.

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17. PRINTED CIRCUIT BOARDS

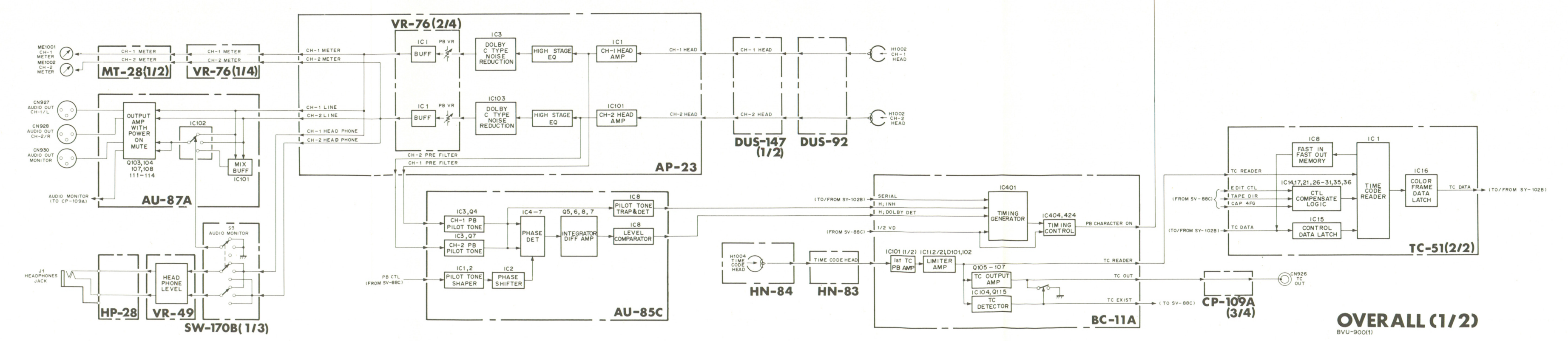
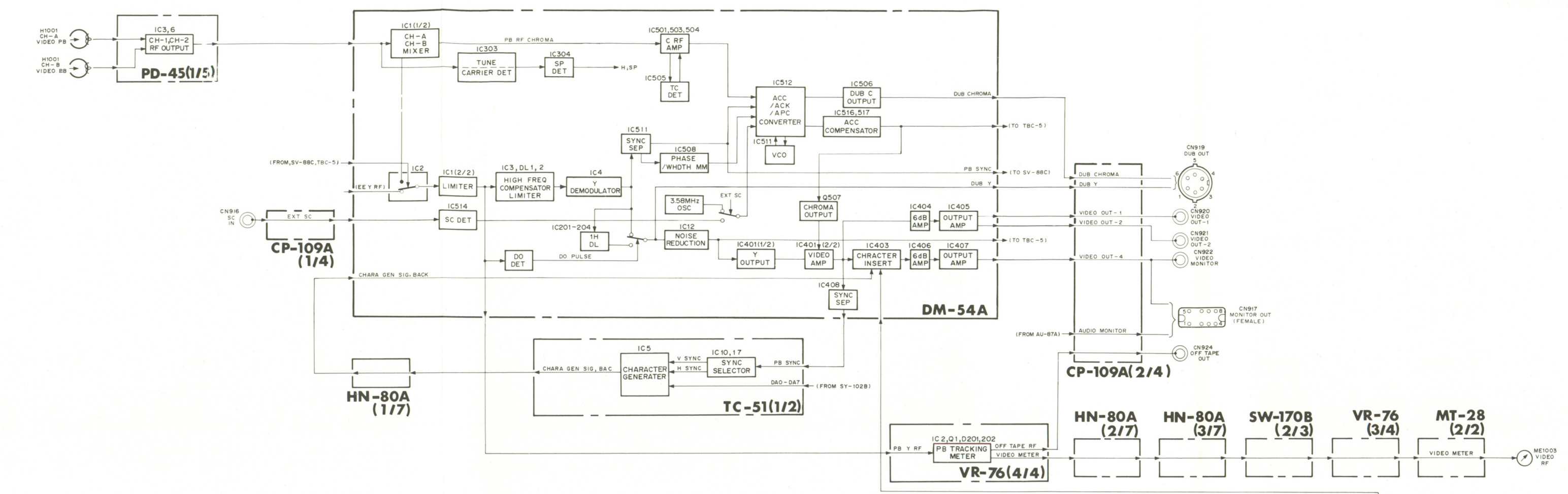
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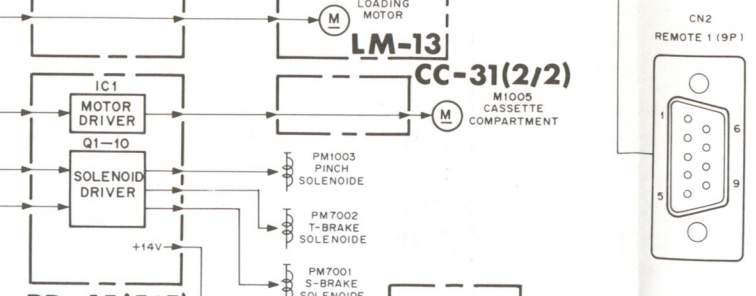
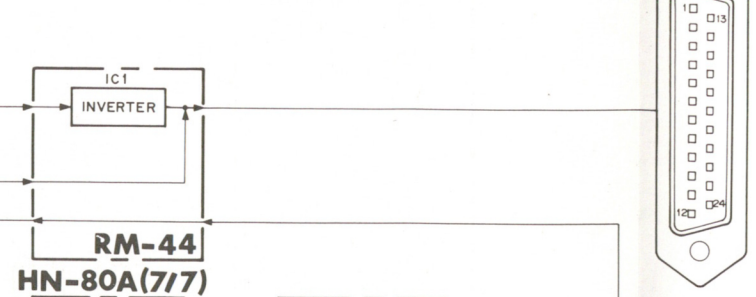
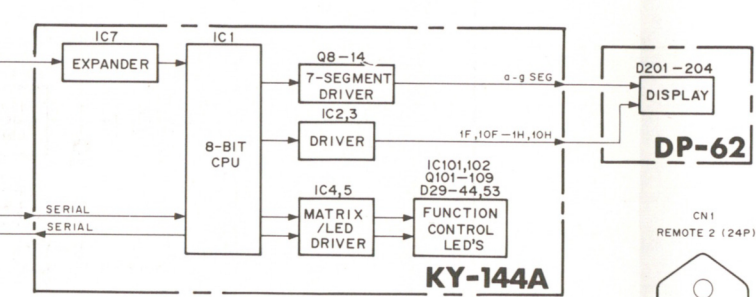
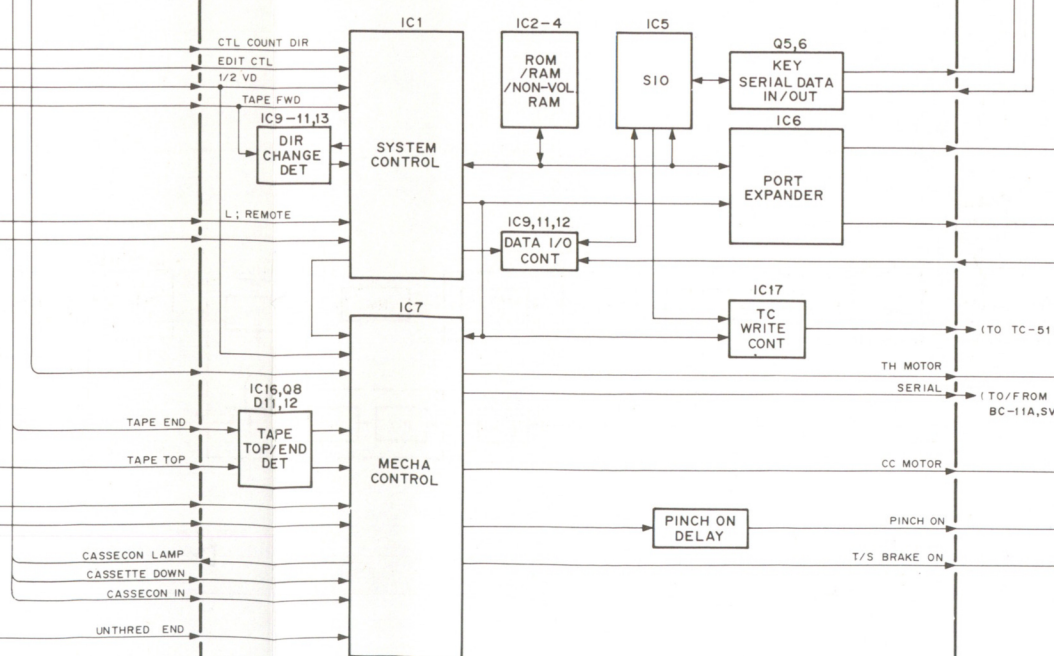
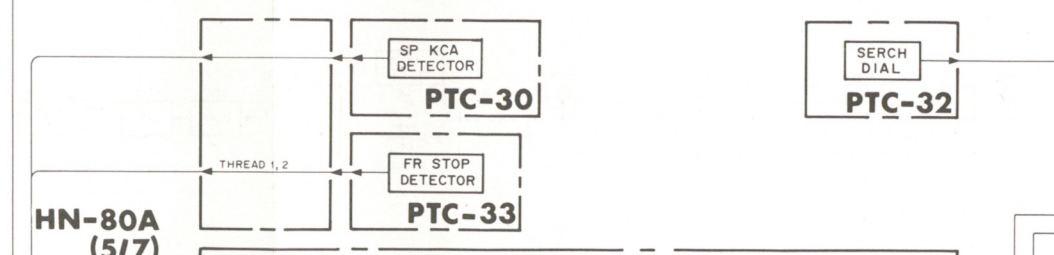
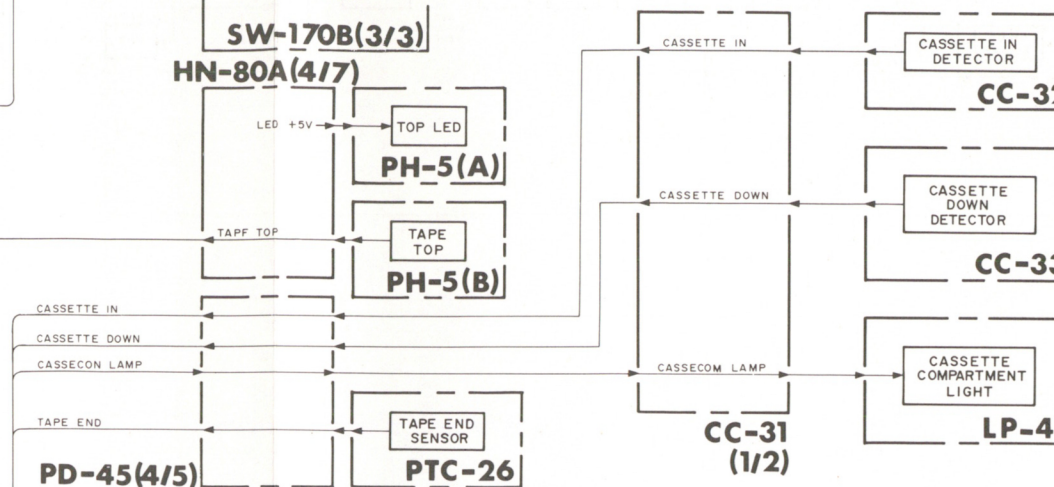
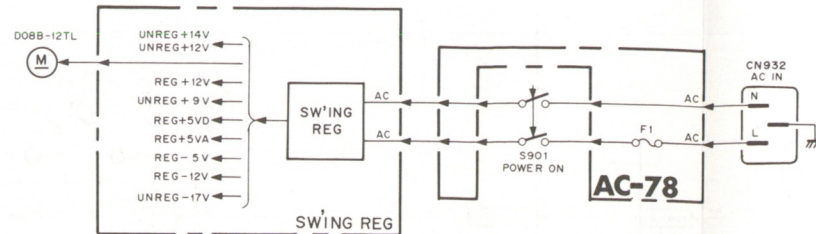
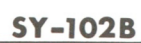
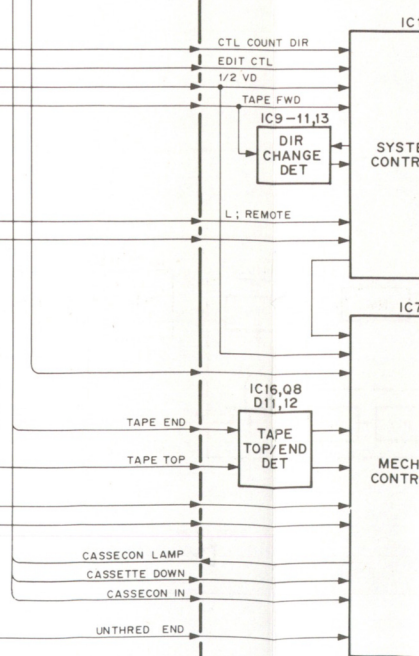
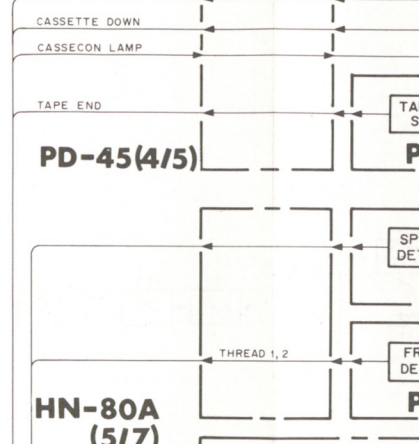
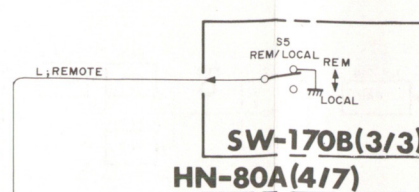
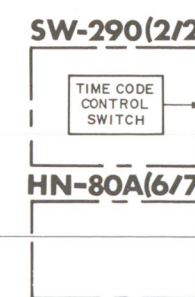
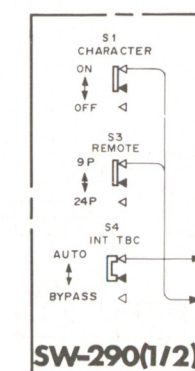
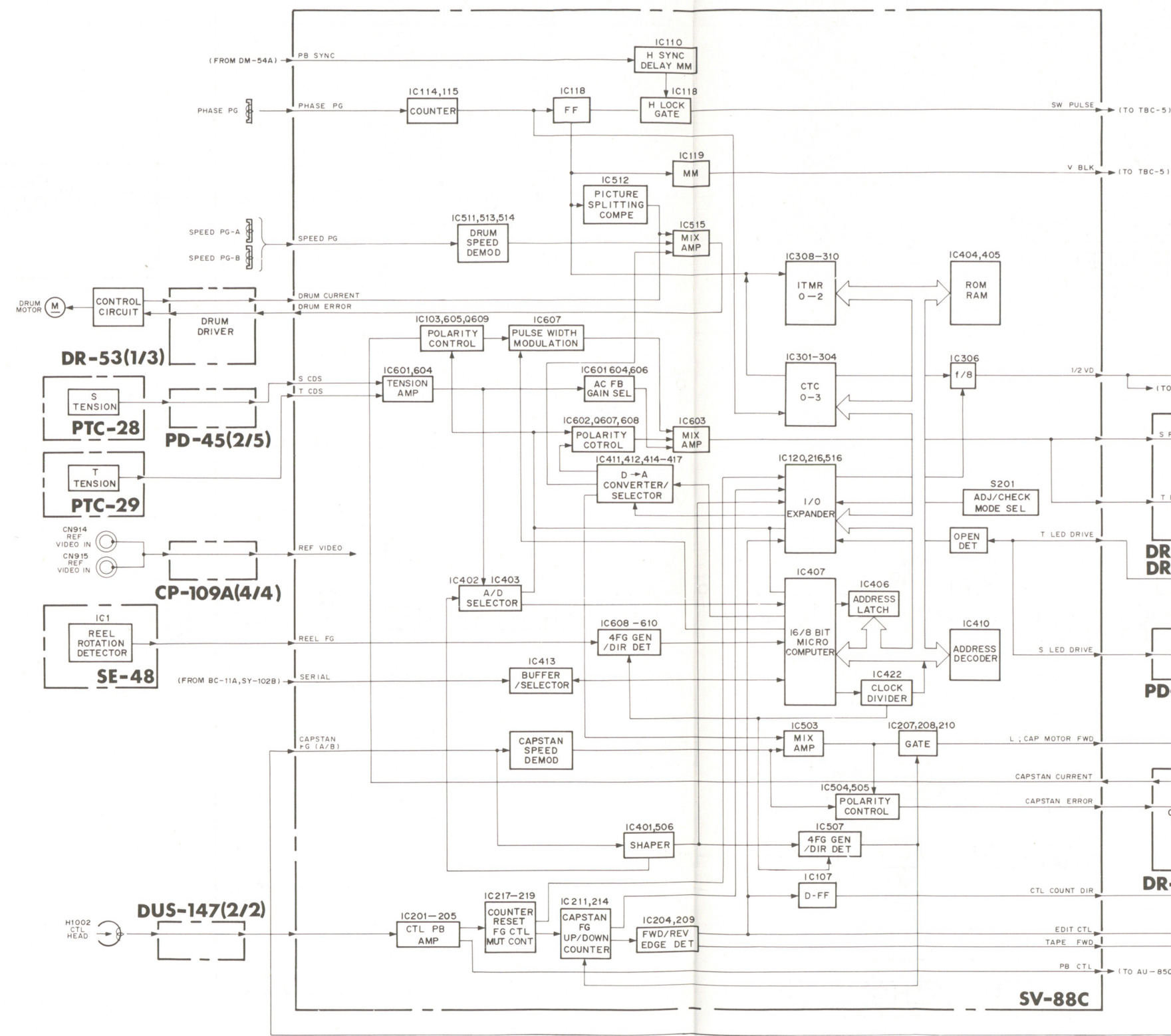
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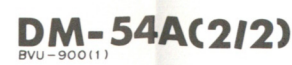
SECTION 14
BLOCK DIAGRAMS

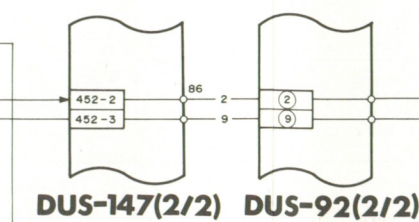
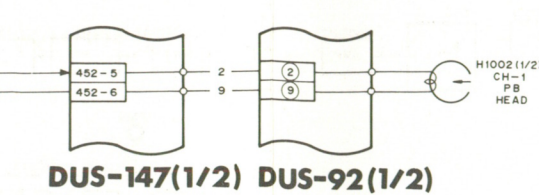
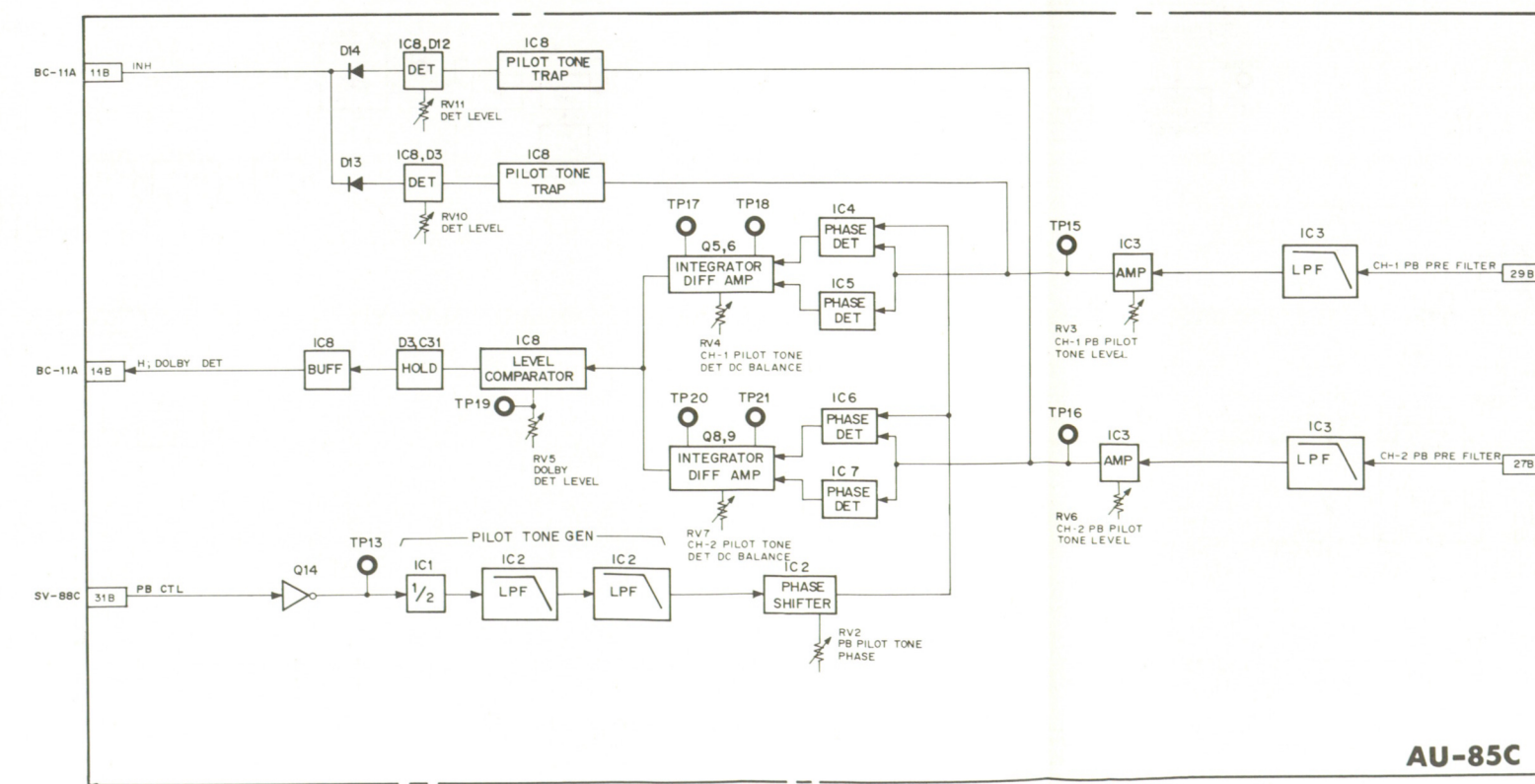
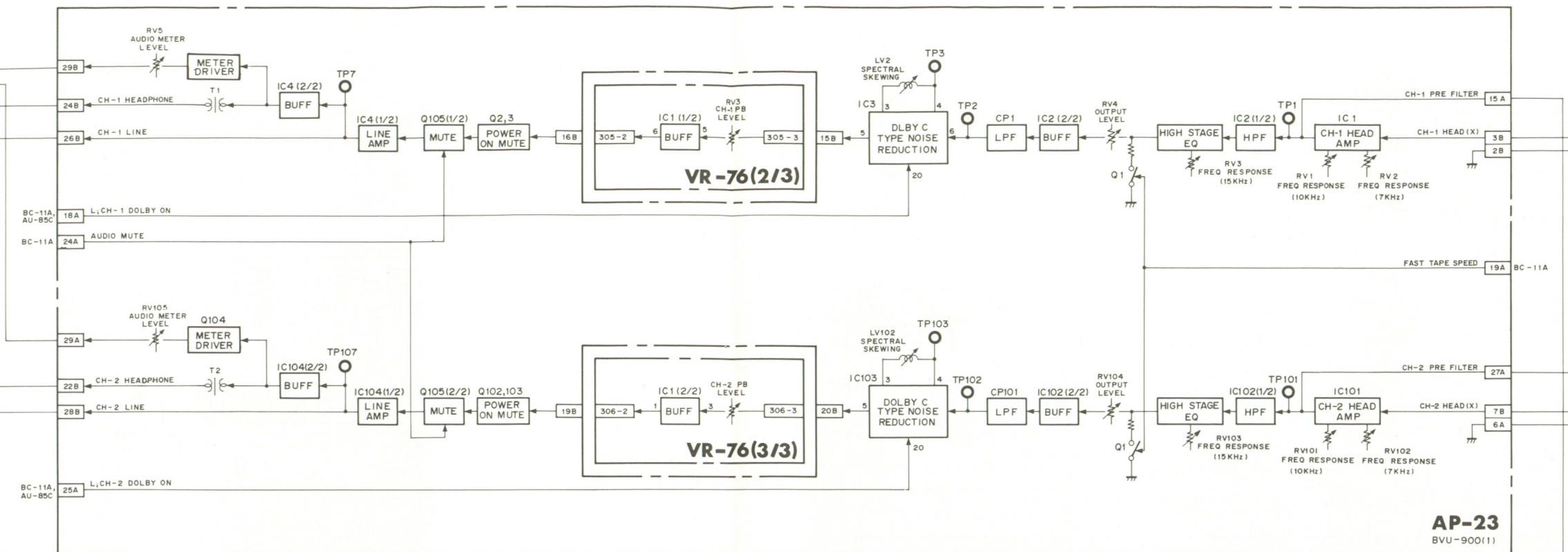
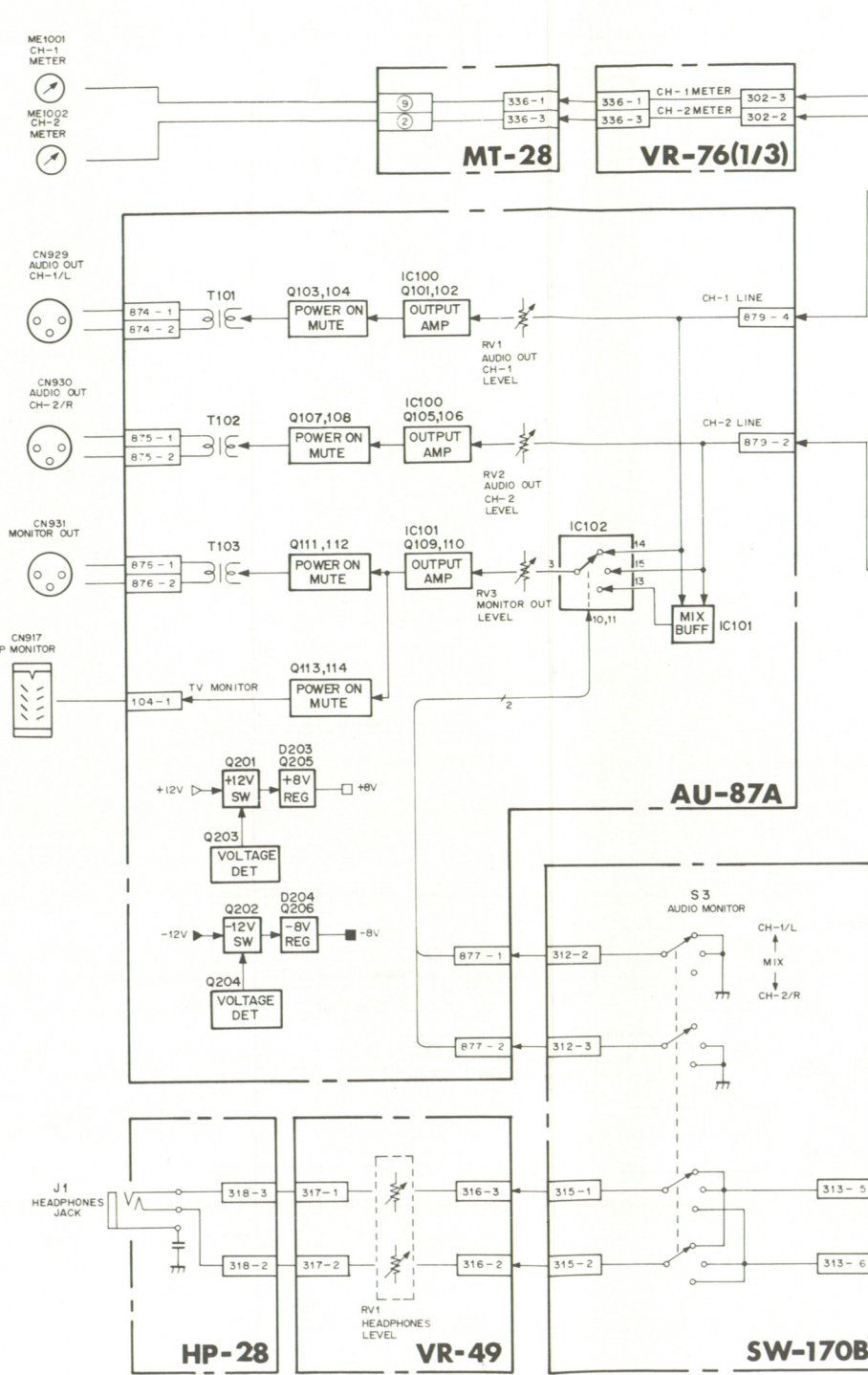


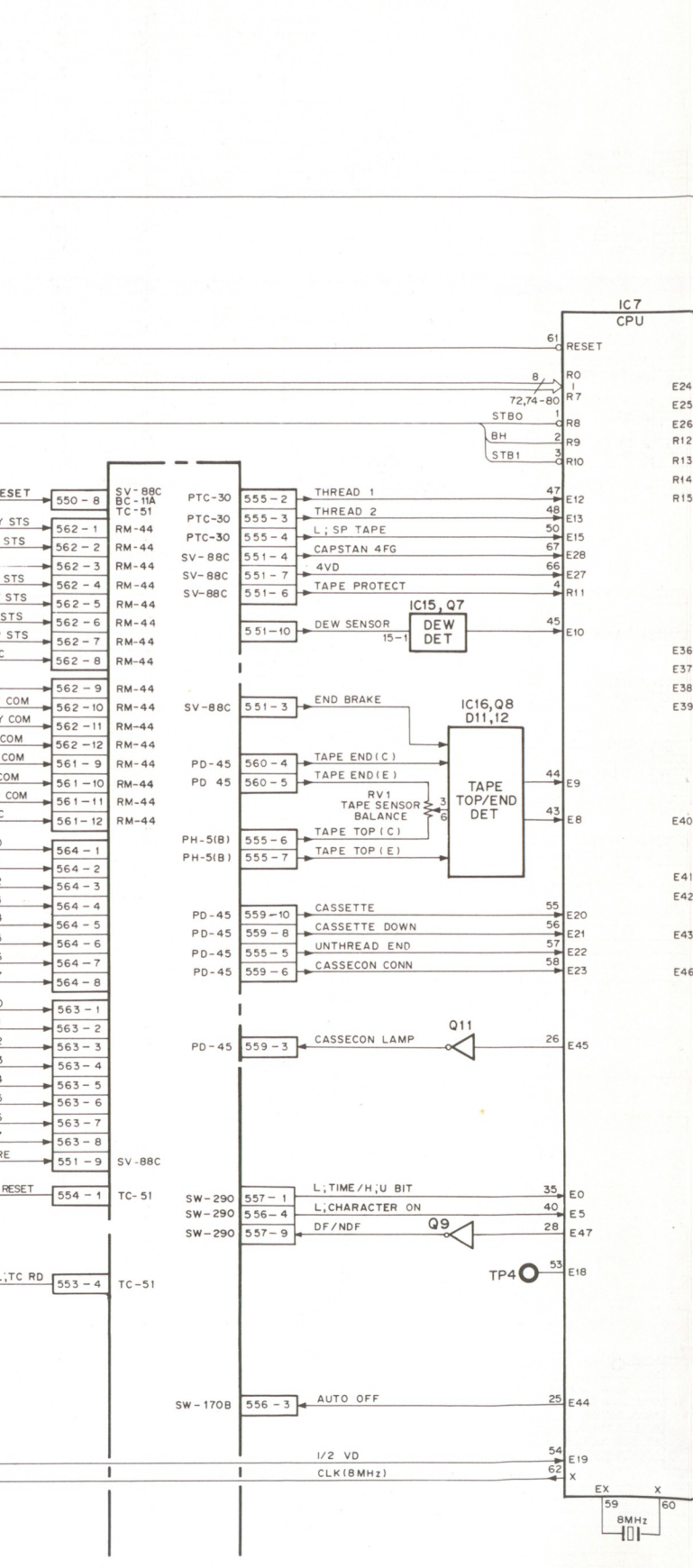
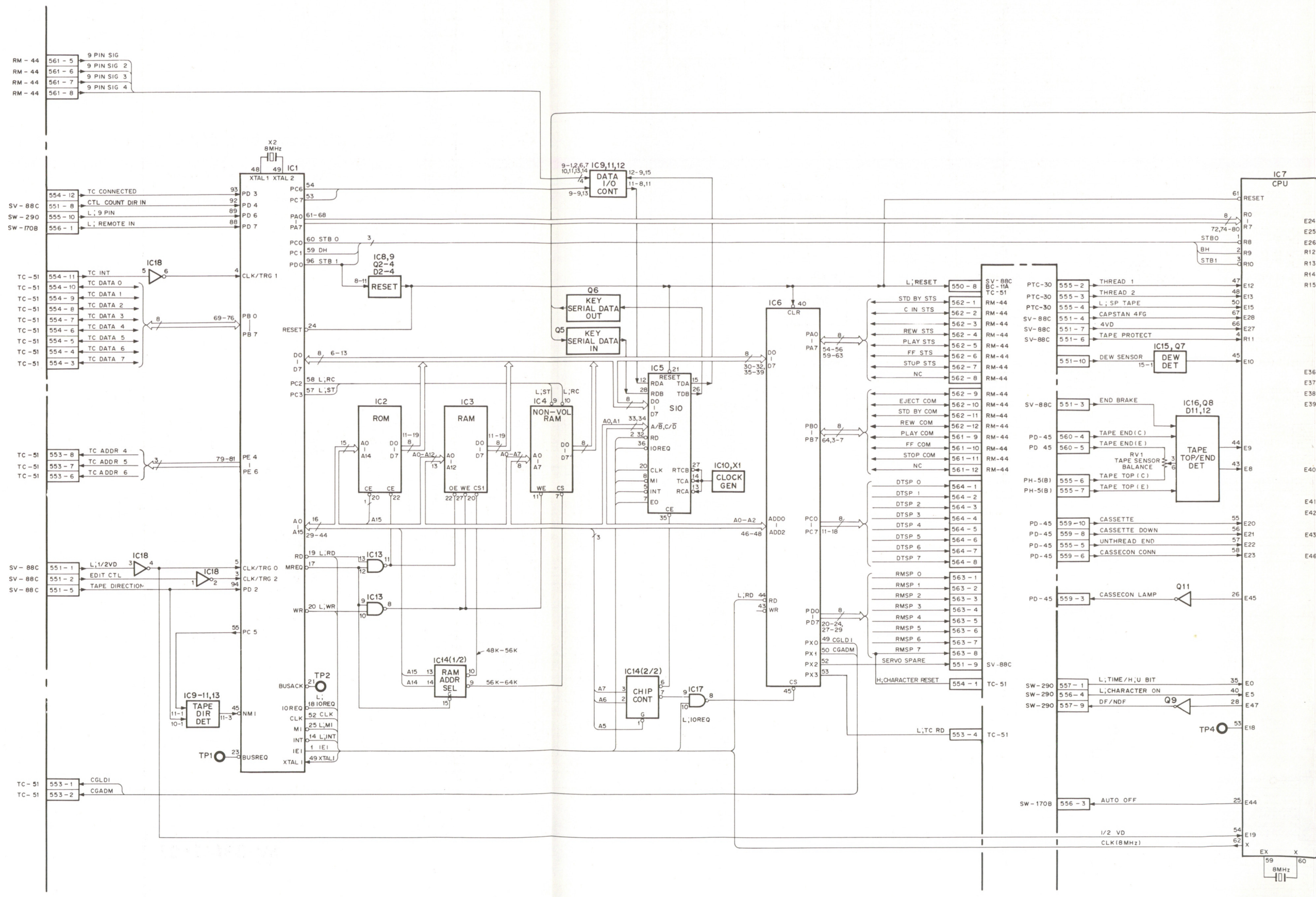
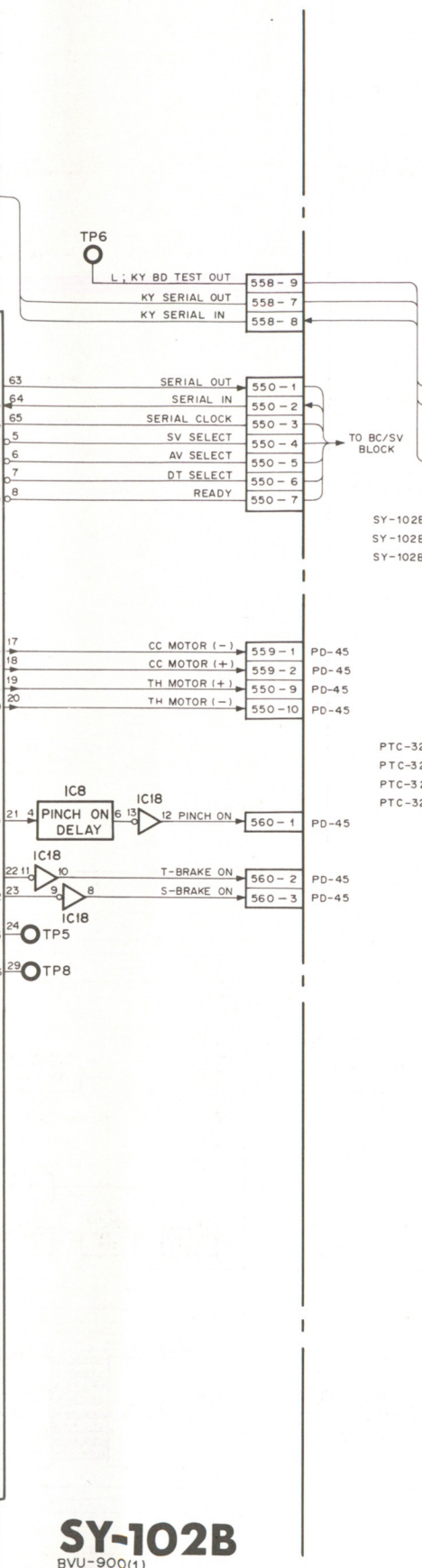
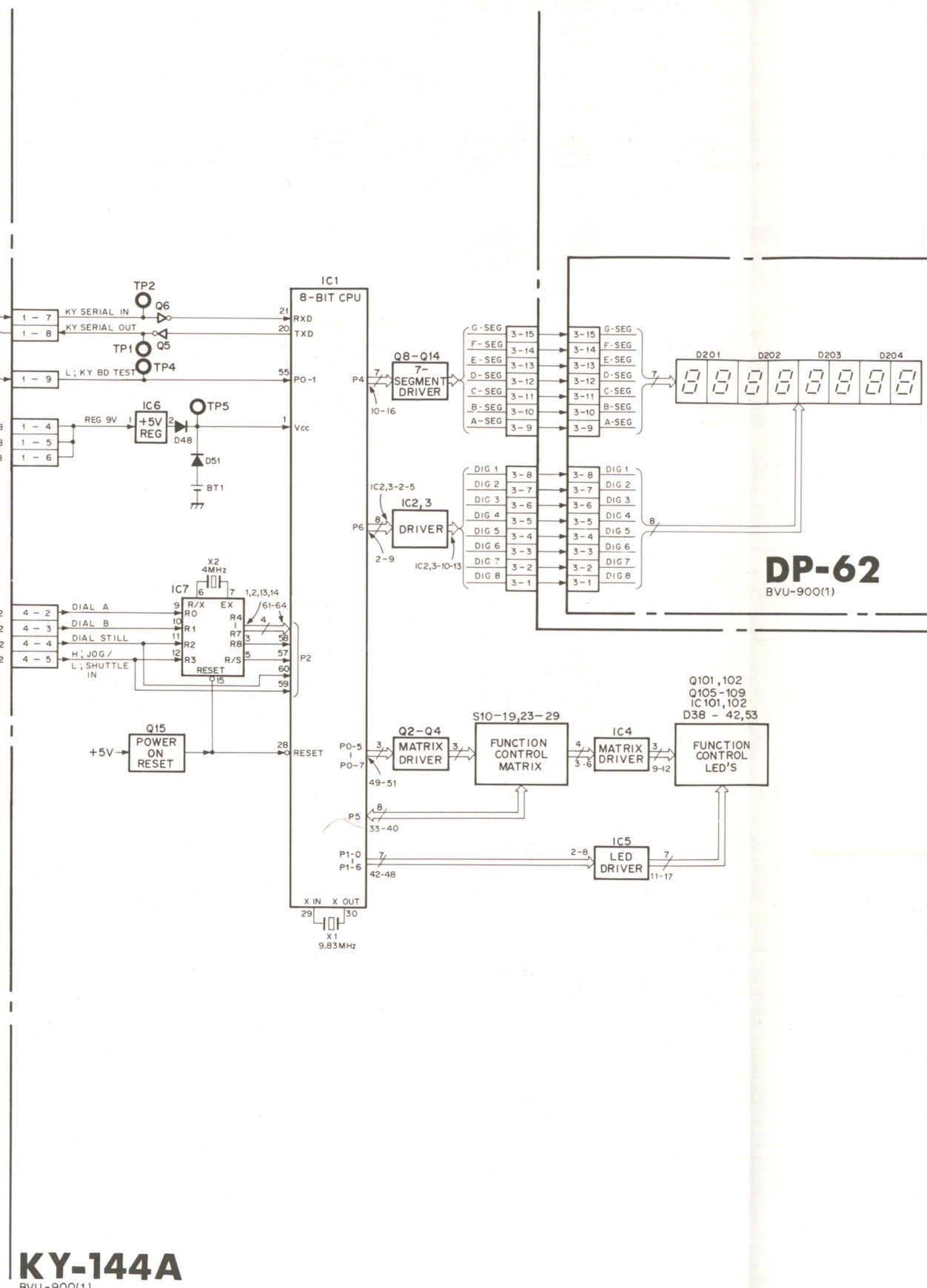


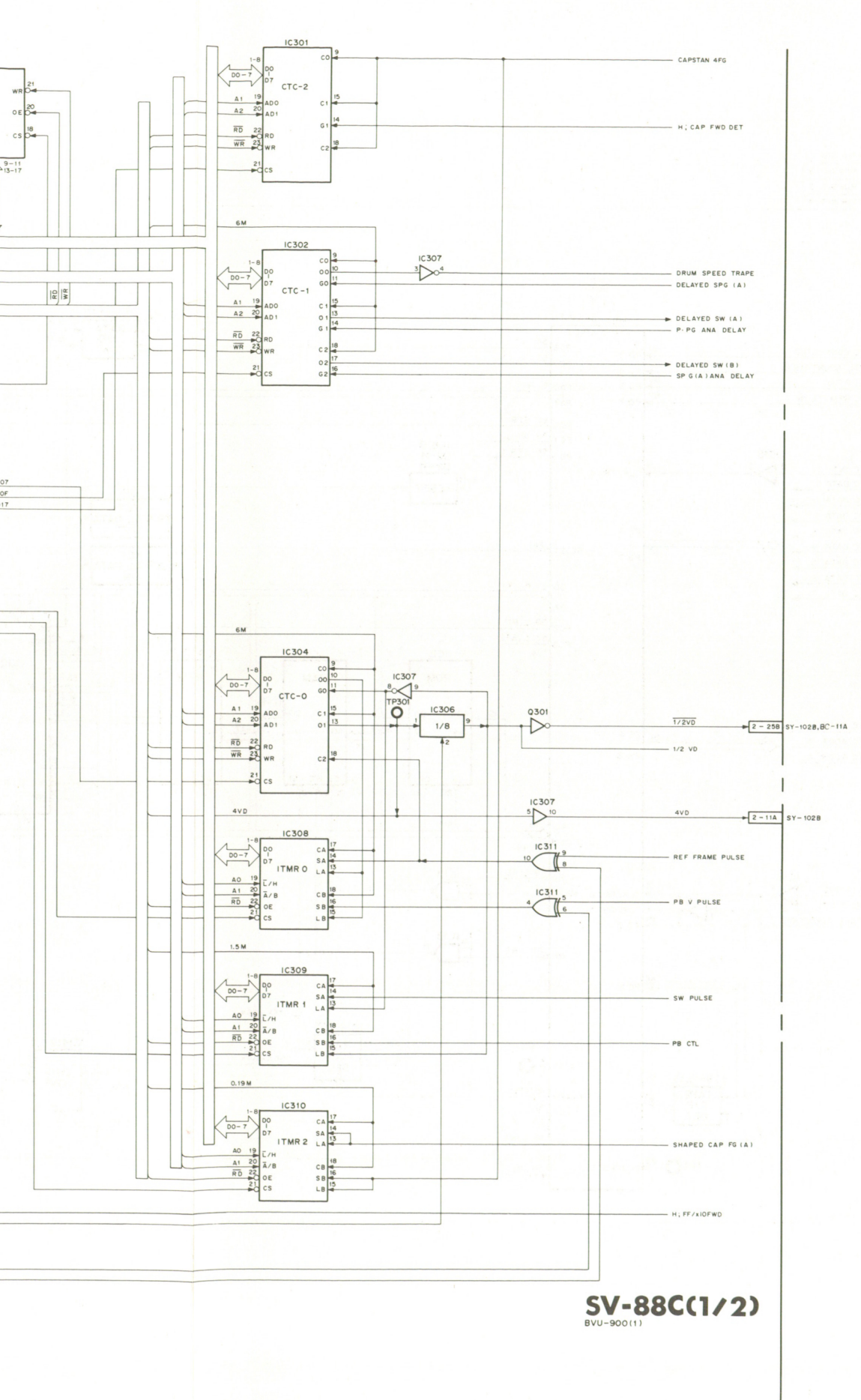
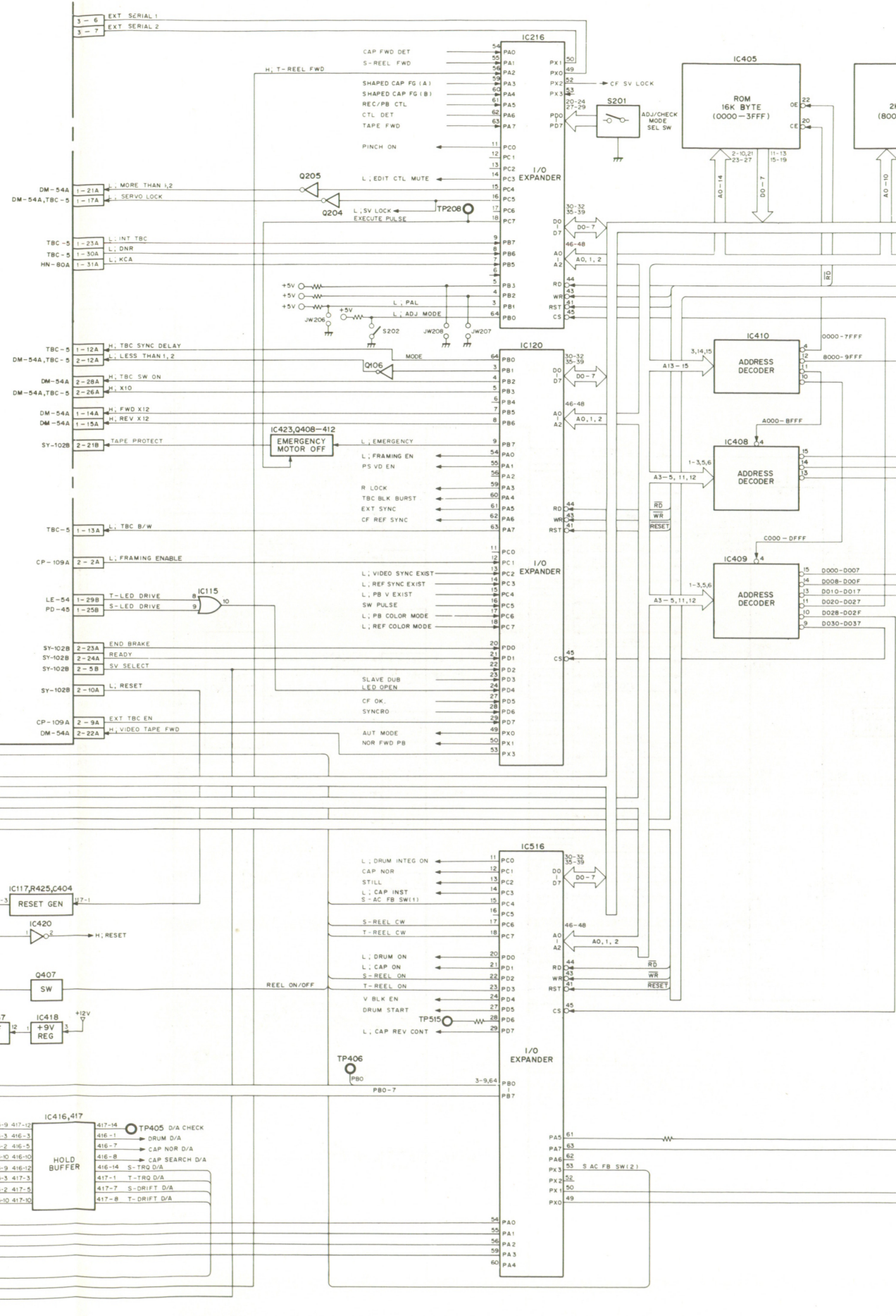
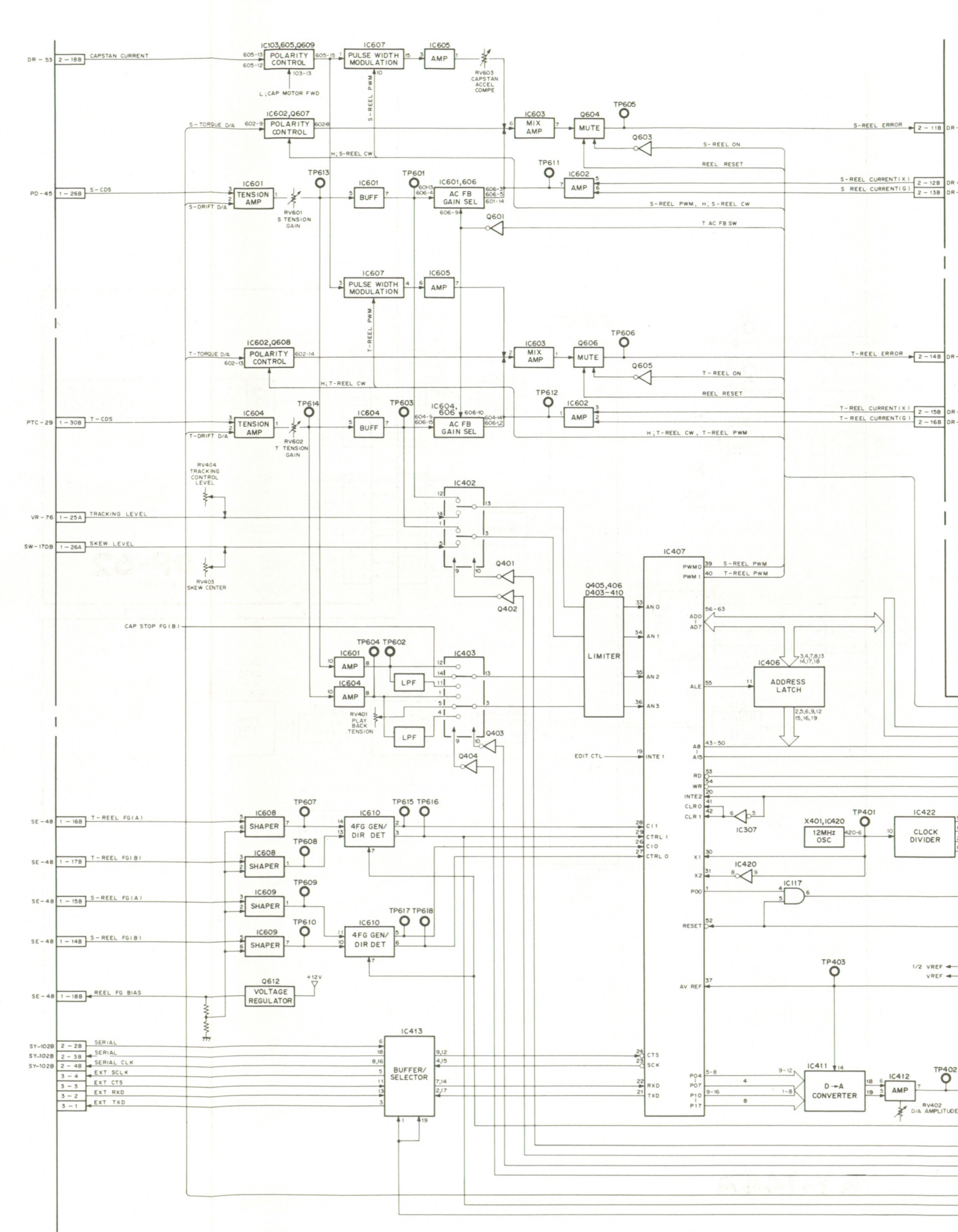


C DEMODULATOR C DEMODULATOR

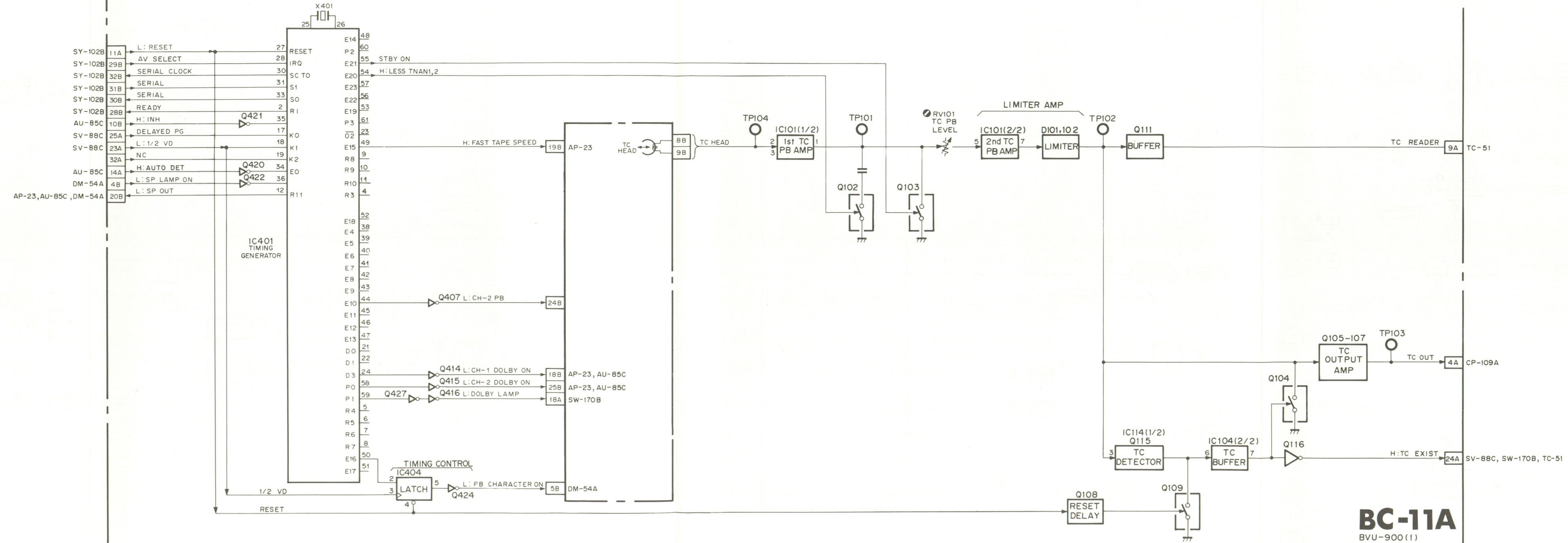




SY-102B
BVU-900(1)KY-144A
BVU-900(1)







TIME CODE/CHARACTER GENERATOR

[illegible]

SECTION 15 SEMICONDUCTOR ELECTRODES

ここに記載されている IC, トランジスタ, ダイオードは, それぞれの機能を等価的に表わしたものです。したがって互換性を表わすものではありません。(互換性のない型名が併記されている事もあります。) 部品の交換をする時は, SPARE PARTS の章を参照して下さい。

ICs, transistors and diodes whoses functions are equivalent are described here. Therefore, incompatible device names may be described together. For parts replacement, refer to the Spare Parts section in this manual.

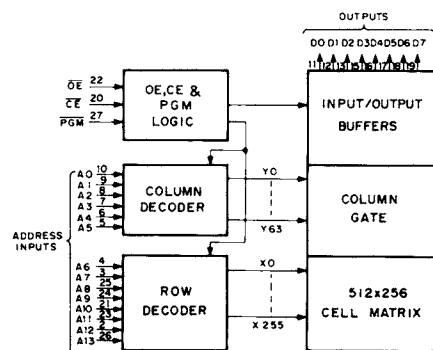
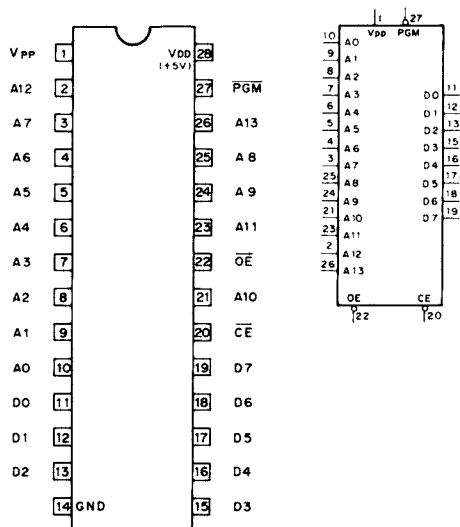
IC	PAGE	IC	PAGE	IC	PAGE
27128-25	15-3	CXK5864PN-15	15-10	TA7060AP	15-19
AN608P	15-3	CXK5864PN-15L	15-10	TA7357AP	15-19
		CXL5001P	15-11	TA7374P	15-19
BX1140L	15-3			TC4001BP	15-19
BX1247L	15-3	HD14538BP	15-11	TC4009UBP	15-19
BX1248L	15-3	HD14584BP	15-11	TC40161BP	15-20
BX1249L	15-3			TC4017BP	15-19
BX1250L	15-3	M50747H-601SP	15-12	TC4023BP	15-20
BX1251L	15-4	M54516P	15-11	TC4024BP	15-20
BX1252AL	15-4	M54529AP	15-11	TC4030BP	15-20
BX1258L	15-4	M54543L	15-13	TC4030BPHB	15-20
BX1262L	15-4	M54562P	15-13	TC4044BP	15-20
BX1264L	15-4	MB88201H-539N	15-13	TC4051BP	15-21
BX1265L	15-4	MB88303	15-15	TC4052BP	15-21
BX365AL	15-4	MB88551-H	15-13	TC4052BPHB	15-21
BX366AL	15-4	MBM2212-25P	15-15	TC4053BP	15-21
BX388L	15-4	MBM27C256-25	15-15	TC4053BPHB	15-21
BX389L	15-4	MC14538BCP	15-11	TC4066BP	15-21
BX3914	15-5	MC1496P	15-16	TC4066BFHB	15-21
BX3915A	15-5	MC34051P	15-16	TC4069UBP	15-21
		MSM5128-15RS	15-17	TC4071BP	15-21
CF77074NT	15-5			TC4081BP	15-21
CX134A	15-5	NJM2043D-D	15-17	TC4082BP	15-21
CX135	15-7	NJM2903D	15-17	TC40H000P	15-22
CX20060	15-7	NJM4558D	15-17	TC40H002P	15-22
CX23028	15-5	NJM4560D	15-17	TC40H008P	15-22
CX7912A	15-6	NJM4562D-D	15-17	TC40H032P	15-22
CX7928	15-8	NJM78L05A	15-17	TC4510BP	15-22
CX859	15-8	NJM78L09A	15-17	TC4512BP	15-22
CX872	15-9	NJM79L05A	15-17	TC4538BP	15-11
CXD1095Q	15-9			TC504013BP	15-22
CXK5816PN-10	15-10	SN16913P	15-18	TC74HC04P	15-23
CXK5816PN-10L	15-10	SN16913P-A	15-18	TC74HC08P	15-23
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CXK5816PN-12L	15-10	SN74HC139N	15-18	TC74HC138P	15-18
CXK5816PN-15	15-10	SN74HC244N	15-18	TC74HC139P	15-18
CXK5816PN-15L	15-10	SN74HC32N	15-18	TC74HC14P	15-23
CXK5864PN-10	15-10	SN74HC374N	15-18	TC74HC241P	15-23
CXK5864PN-10L	15-10	SN74HC74N	15-18	TC74HC373P	15-23
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CXK5864PN-12L	15-10	SN74LS224N	15-19	TC74HC74P	15-18
				TC74HCU04P	15-23

等価回路は IC メーカーの Data Book に従いました。

The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

IC	PAGE	TRANSISTOR	PAGE	IC	PAGE
TD62503P	15-24	2SA1005	15-29	10E-1	15-29
TL062CP	15-24	2SA1115	15-29	10E-2	15-29
TL082CP	15-24	2SA1141	15-29	1S1555	15-29
TL084CN	15-24	2SA1175	15-29	1SS119	15-29
TMPZ84C011AF	15-25	2SA768	15-29	1SS133	15-29
UPC324C	15-24	2SB649A	15-29	1SS97	15-29
UPC339C	15-24	2SB733	15-29	1SS99	15-29
UPC4558C	15-17	2SB734	15-29	BR5104S	15-29
UPC648C	15-26	2SB739	15-29	GL-5HD5	15-29
UPC7805H	15-26	2SC1740	15-29	GP-1L52	15-29
UPD4030BC	15-20	2SC2754	15-29	GP-1L53	15-29
UPD71054C	15-26	2SC2785	15-29	HLMP-1302	15-29
UPD78310CW	15-27	2SC2878	15-29	LB402VK	15-30
Z80A-SIO/O	15-28	2SC2901	15-29	RD??ES	15-30
		2SC3012	15-29	SPS102	15-30
		2SC403SP	15-29	TLG124A	15-29
		2SD1111	15-29	TLG255	15-30
		2SD669A	15-29	TLY255	15-30
		2SD773	15-29	U05E	15-30
		2SD774	15-29		
		2SD788	15-29		
		2SD894	15-29		
		2SD998	15-29		
		2SK523	15-29		
		DM221	15-29		
		DTA124ES	15-29		
		DTA124XS	15-29		
		DTA144ES	15-29		
		DTC124ES	15-29		
		DTC143TS	15-29		
		DTC144ES	15-29		

27128-25 (INTEL) (ACCESS TIME 250 nS)
N-MOS UV EPROM 128K-BIT (16384x8)
— TOP VIEW —



TERMINAL MODE	CE	OE	PGM	Vpp	Vcc	OUTPUTS
READ	0	0	1	+5V	+5V	DATA OUT
STANDBY	1	X	X	+5V	+5V	HIGH IMPEDANCE
PROGRAMMING	0	1	0	+21V	+21V	DATA IN
PROGRAM VERIFY	0	0	1	+21V	+5V	DATA OUT
PROGRAM INHIBIT	1	X	X	+21V	+5V	HIGH IMPEDANCE
HIGH SPEED PROGRAMMING	0	1	0	+21V	+6V	DATA IN

1 ; TTL LEVEL HIGH VOLTAGE IN
0 ; TTL LEVEL LOW VOLTAGE IN
X ; DON'T CARE (1 OR 0)

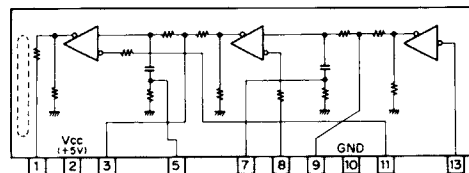
AN608P (MATSUSHITA)
WIDE BAND AMPLIFIER
— PRINTED SIDE VIEW —



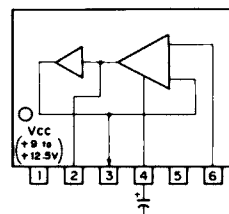
1: OUTPUT
2: Vcc (+12V)
3: INPUT
4: GND



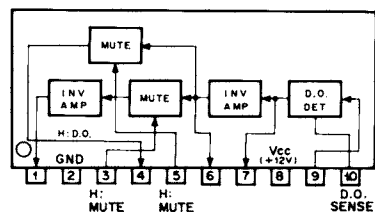
BX1140L (ROHM)
HF AMP
— REAR VIEW —



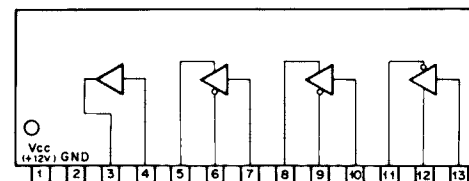
BX1247L (ROHM)
LOWER FREQUENCY BOOSTER AMPLIFIER
— PRINTED SIDE VIEW —



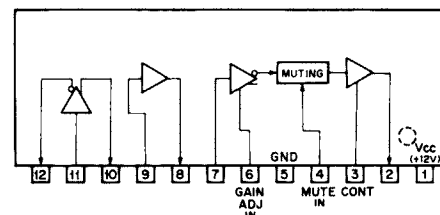
BX1248L (ROHM)
DROPOUT DETECTOR
— PRINTED SIDE VIEW —

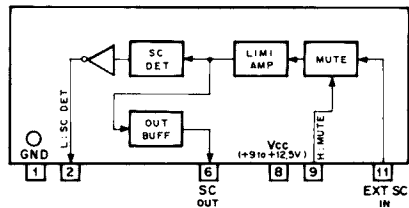


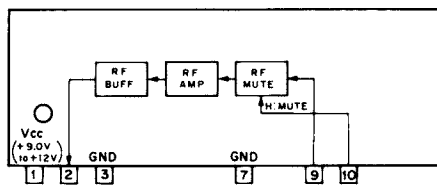
BX1249L (ROHM)
VIDEO PHASE EQUALIZER
— PRINTED SIDE VIEW —

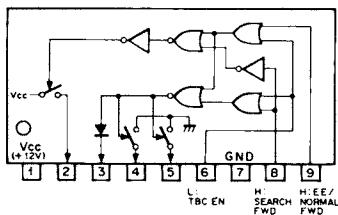
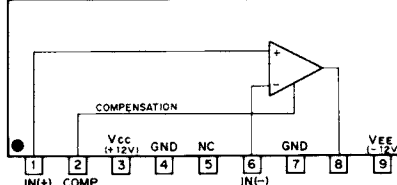


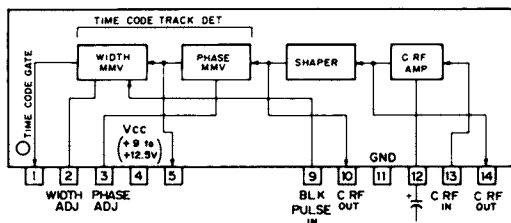
BX1250L (ROHM)
CHROMA OUTPUT AMPLIFIER
— REAR VIEW —



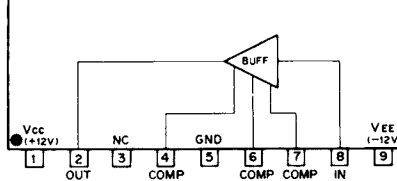


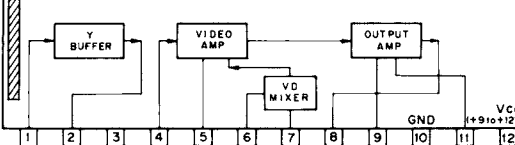
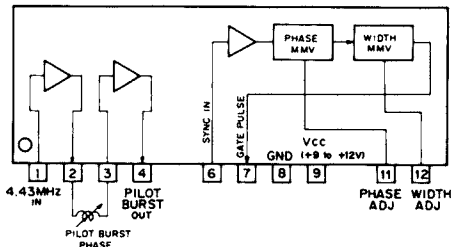


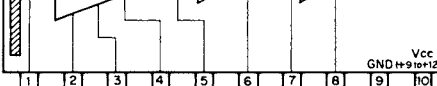
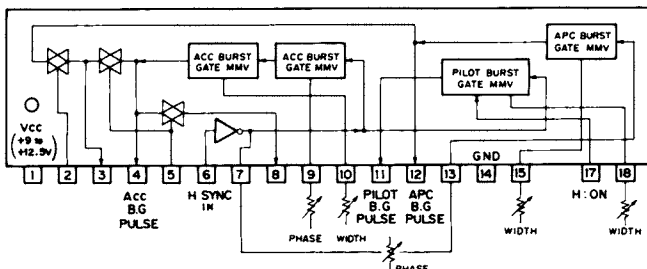
[illegible]



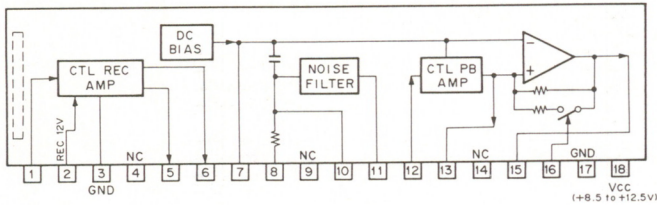
1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.



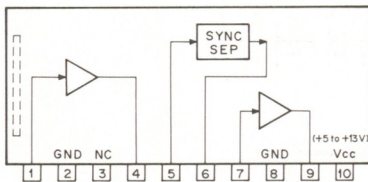




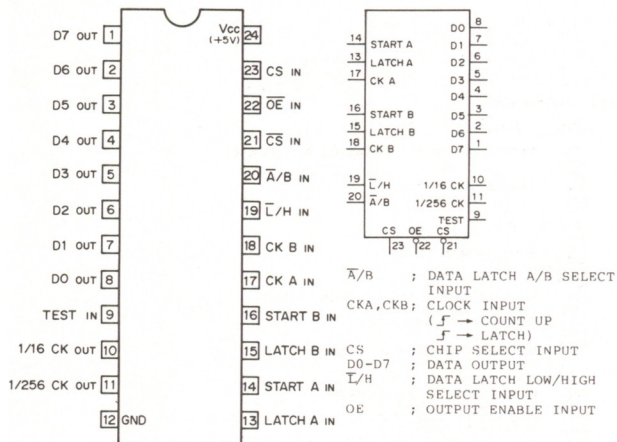
BX3914 (SONY)
CTL REC/PB AMPLIFIER
— PRINTED SIDE —



BX3915A (SONY)
SYNC SEPARATOR
— PRINTED SIDE —

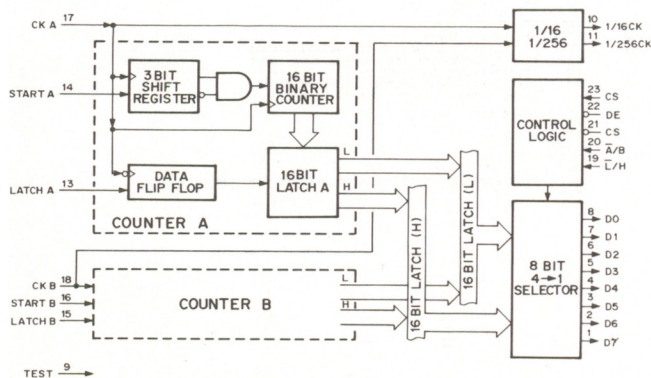


CF77074NT (TI)
CLOCK COUNTER
— TOP VIEW —

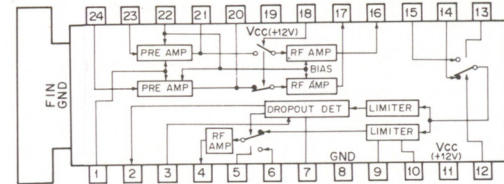


MODE SELECT					
INPUT					
CS	CS	OE	A/B	L/H	OUTPUT
0	X	X	X	X	HI-Z
1	0	0	0	0	LATCH A LOW BYTE
1	0	0	0	1	LATCH A HIGH BYTE
1	0	0	1	0	LATCH B LOW BYTE
1	0	0	1	1	LATCH B HIGH BYTE
X	1	X	X	X	HI-Z
X	X	1	X	X	HI-Z

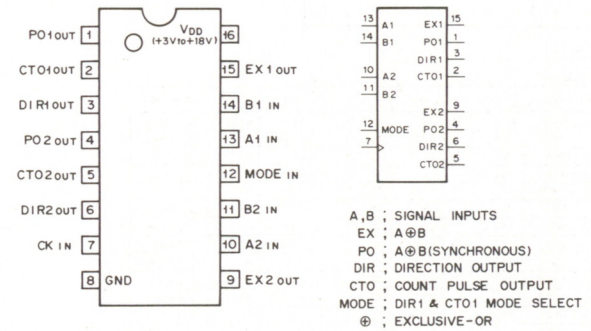
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE



CX134A (SONY)
HEAD AMP/DROPOUT COMPENSATOR
— TOP VIEW —



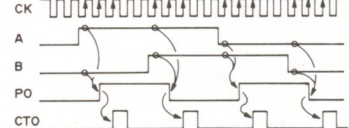
CX23028 (SONY)
C-MOS SYNCHRONOUS ROTATIONAL DIRECTION DETECTOR
— TOP VIEW —



MODE="1"

DIRECTION OUTPUT "DIR"	
INPUTS	DIR
A < B	1
B < A	0

TIMING CHART "CTO"

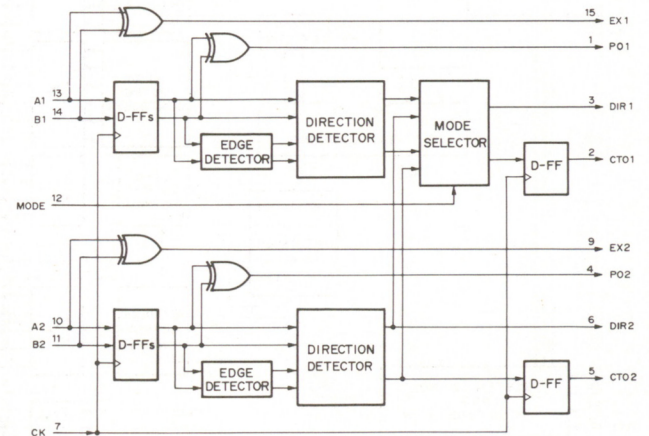


MODE="0"

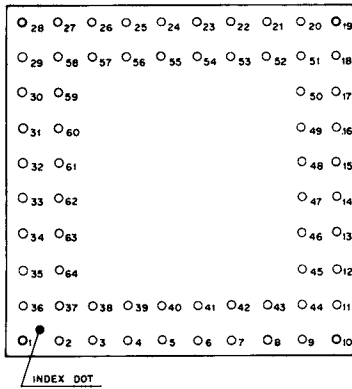
DIRECTION OUTPUT "DIR"			
CH1	CH2	DIR 1	DIR 2
A1 < B1	A2 < B2	1	THE SAME FUNCTION OF MODE "1"
B1 < A1	A2 < B2	0	
A1 < B1	B2 < A2	0	

CTO 1; CTO1 with MODE "0" = CTO1 with MODE "1" + CTO 2
CTO 2; THE SAME FUNCTION OF MODE "1"

1; HIGH LEVEL
0; LOW LEVEL
A < B; THE PHASE OF SIGNAL A IS IN ADVANCE FOR THE PHASE OF B.



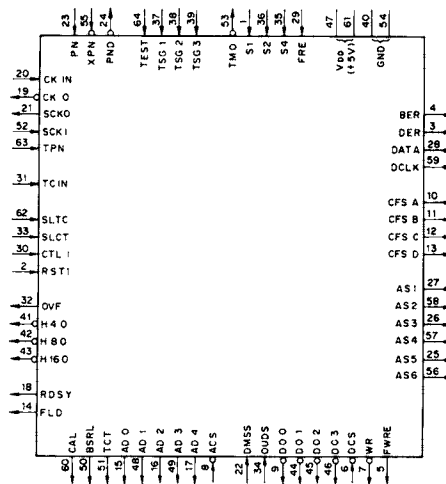
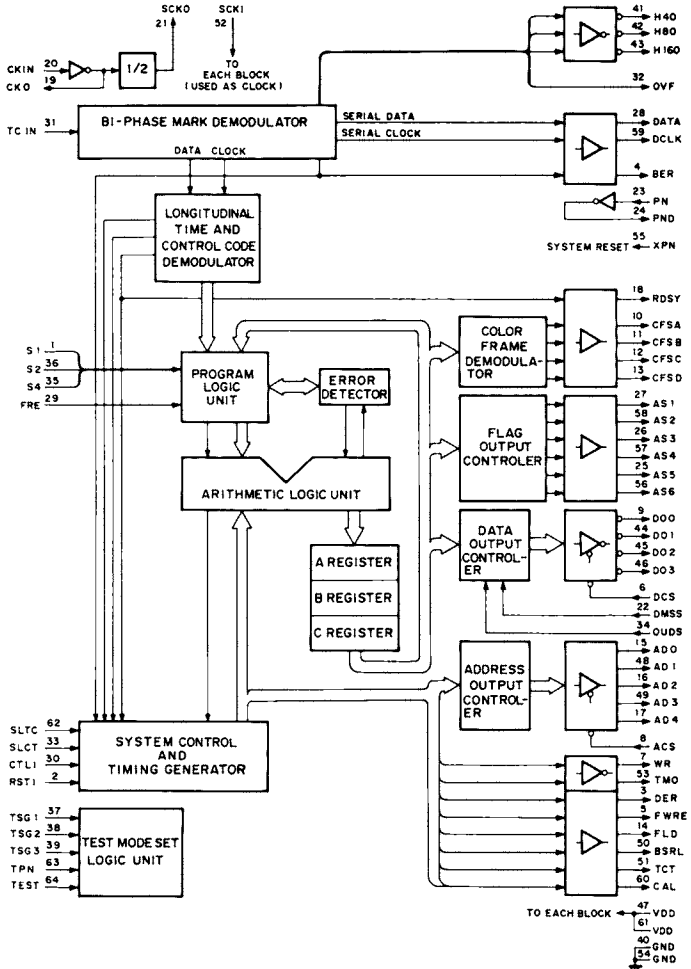
CX7912A (SONY)
C-MOS TIME CODE READER
— TOP VIEW —



PIN ASSIGNMENT

PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			S1	17			AD 4	33			SLCT	49			AD 3
2			RST1	18			RDSY	34			OUDS	50			BSRL
3			DER	19			CK 0	35			S4	51			TCT
4			BER	20			CK IN	36			S2	52			SCKI
5			FWRE	21			SCKO	37			TSG 1	53			TMO
6			DCS	22			DMSS	38			TSG 2	54			GND
7			WR	23			PN	39			TSG 3	55			XPIN
8			ACS	24			PND	40			GND	56			AS6
9			DO 0	25			AS 5	41			H 4 0	57			AS 4
10			CFS A	26			AS 3	42			H 8 0	58			AS 2
11			CFS B	27			AS 1	43			H 16 0	59			DCLK
12			CFS C	28			DATA	44			DO 1	60			CAL
13			CFS D	29			FRE	45			DO 2	61			VDDH5V
14			FLD	30			CTL 1	46			DO 3	62			SLTC
15			AD 0	31			TC IN	47			VDDH5V	63			TPN
16			AD 2	32			OVF	48			AD 1	64			TEST

BLOCK DIAGRAM



MODE SELECT

SLCT	SLTC	MODE
0	0	AUTO
0	1	TIME CODE
1	0	CTL
1	1	AUTO

CTL COUNT

FRE	RST1	COUNT
0	X	DOWN COUNT
1	X	UP COUNT
X	L	RESET

SIGNAL FORMAT SELECT

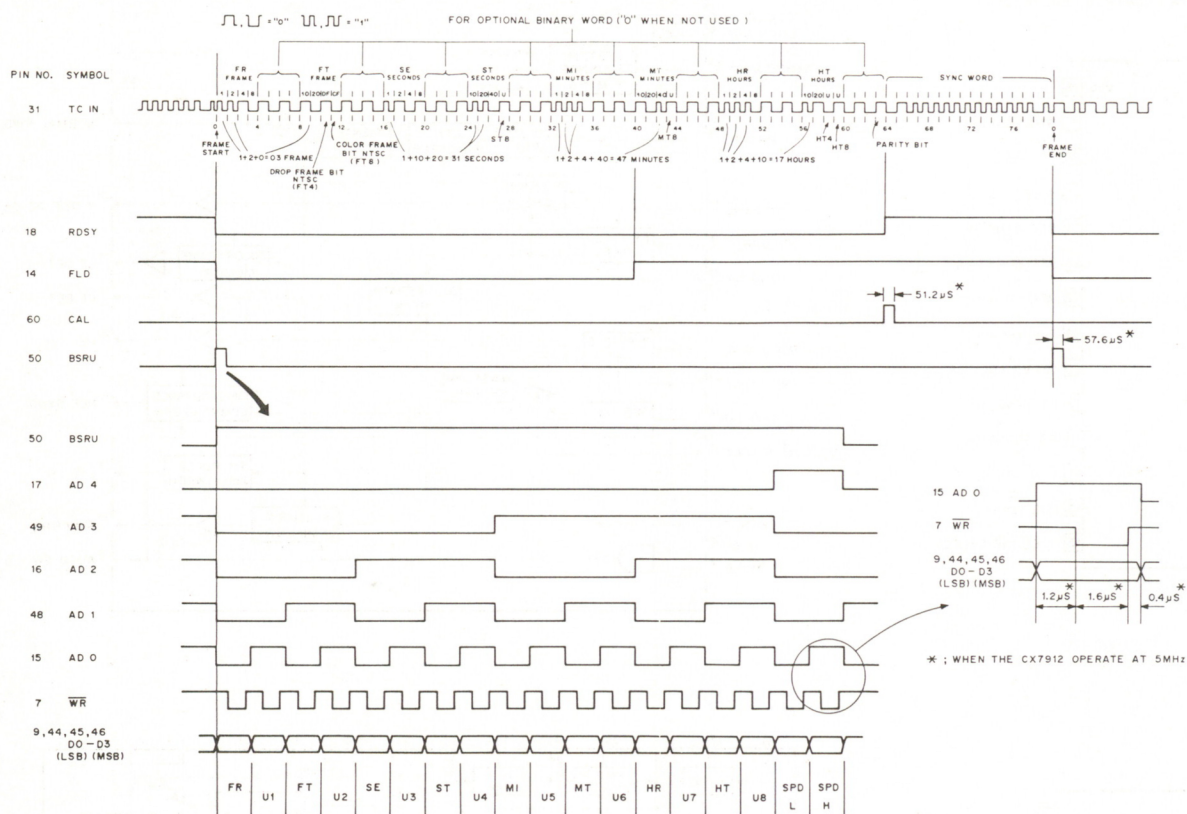
S4	S2	S1	FORMAT	FRAME
0	0	0	FILM	24
0	0	1	NOT ALLOWED	---
0	1	0	NOT ALLOWED	---
0	1	1	NOT ALLOWED	---
1	0	0	PAL SECAM	25
1	0	1	NOT ALLOWED	---
1	1	0	NTSC (NON DROP FRAME)	30
1	1	1	NTSC (DROP FRAME)	30

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

FUNCTIONAL PIN DEFINITION

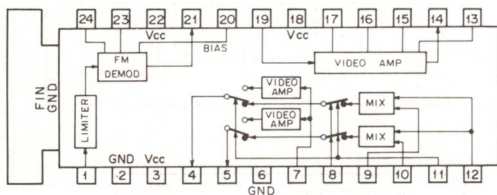
PIN NO.	SYMBOL	DESCRIPTION
8	ACS	ADDRESS LINE OUTPUT ENABLE (NEGATIVE-LOGIC)
15	AD0	
48	AD1	
16	AD2	
49	AD3	
17	AD4	
27	AS1	
58	AS2	
26	AS3	
57	AS4	
25	AS5	
56	AS6	
4	BER	BI-PHASE MARK ERROR (BIT ERROR) OUTPUT
50	BSRL	DATA OUT FLAG OUTPUT
60	CAL	CALCULATE OUT FLAG OUTPUT
10	CFS A	
11	CFS B	
12	CFS C	
13	CFS D	
20	CKIN	CLOCK INPUT
19	CKO	CLOCK OUTPUT (NEGATIVE-LOGIC)
30	CTL1	CTL SIGNAL INPUT (L)
28	DATA	DEMODULATED SERIAL DATA OUTPUT
59	DCLK	DEMODULATED CLOCK OUTPUT
6	DCS	DATA LINE OUTPUT ENABLE (NEGATIVE-LOGIC)
3	DER	DEMODULATE DATA ERROR OUTPUT
22	DMSS	ASSIGNED DATA SELECT
9	DO 0	
44	DO 1	
45	DO 2	
46	DO 3	
14	FLD	FIELD DATA OUTPUT
29	FRE	CTL DIRECTION SIGNAL INPUT
5	FWRE	DEMODULATE DIRECTION SIGNAL OUTPUT
41	H40	SPEED RANGE FLAG 4 OUTPUT (NEGATIVE-LOGIC)
42	H80	SPEED RANGE FLAG 8 OUTPUT (NEGATIVE-LOGIC)
43	H160	SPEED RANGE FLAG 16 OUTPUT (NEGATIVE-LOGIC)
34	OUDS	ERROR BYPASS ON/OFF SELECT
32	OVF	OVERFLOW FLAG OUTPUT
23	PN	POWER ON SIGNAL INPUT
24	PND	POWER ON SIGNAL OUTPUT (NEGATIVE-LOGIC)
18	RDSY	READ SYNC WORD DATA OUTPUT
2	RST1	CTL TIMER RESET INPUT (L)
1	S1	SIGNAL FORMAT SELECT S1
36	S2	SIGNAL FORMAT SELECT S2
35	S4	SIGNAL FORMAT SELECT S4
52	SCKI	SYSTEM CLOCK INPUT
21	SCKO	SYSTEM CLOCK OUTPUT
33	SLCT	SELECT CTL INPUT
62	SLTC	SELECT LTC INPUT
55	XPIN	SYSTEM RESET SIGNAL INPUT (NEGATIVE-LOGIC)
31	TCIN	LONGITUDINAL TIME AND CONTROL CODE INPUT
51	TCT	INPUT SELECT FLAG OUTPUT
53	TMO	TIME OVER SIGNAL OUTPUT (NEGATIVE-LOGIC)
7	WR	WRITE SIGNAL OUTPUT (NEGATIVE-LOGIC)
47	VDD	POWER LINE (+5V)
63	VDD	
40	GND	GND LINE
54	GND	
64	TEST	
63	TPN	
37	TSG1	TEST MODE SET INPUT (TO BE CONNECTED WITH GND)
38	TSG2	
39	TSG3	

TIMING CHART



CX135 (SONY)

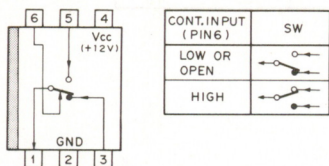
— TOP VIEW —



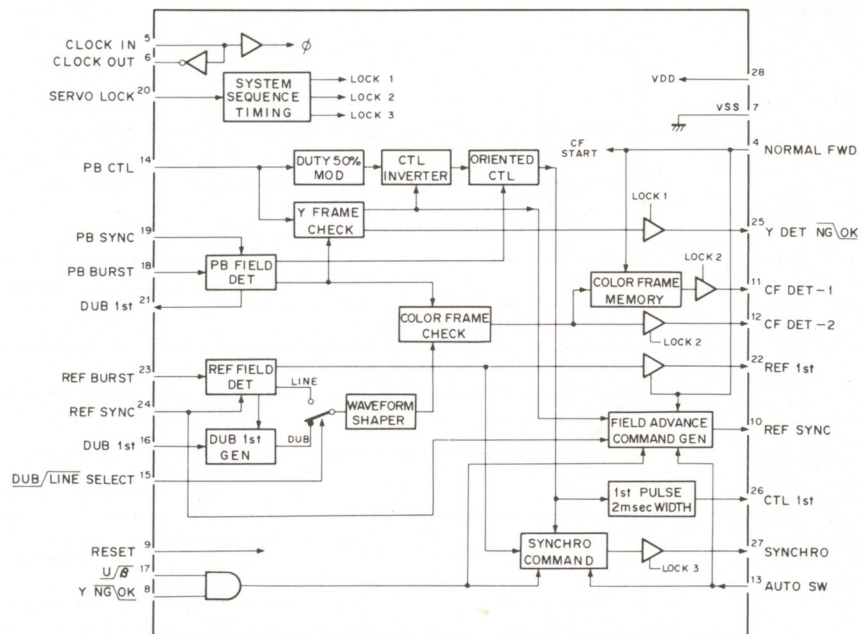
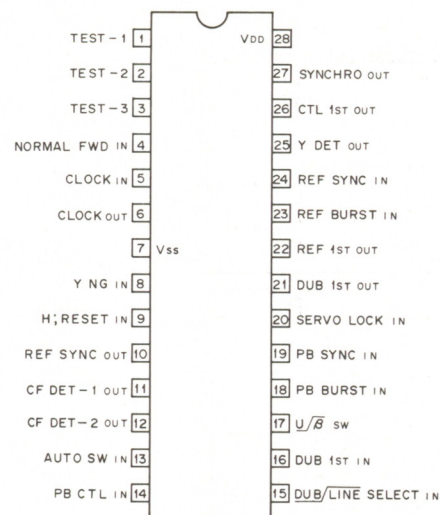
CX20060 (SONY)

ANALOG SWITCH

— TOP VIEW —

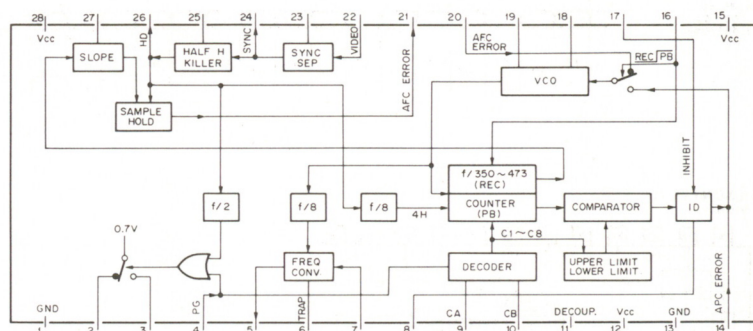
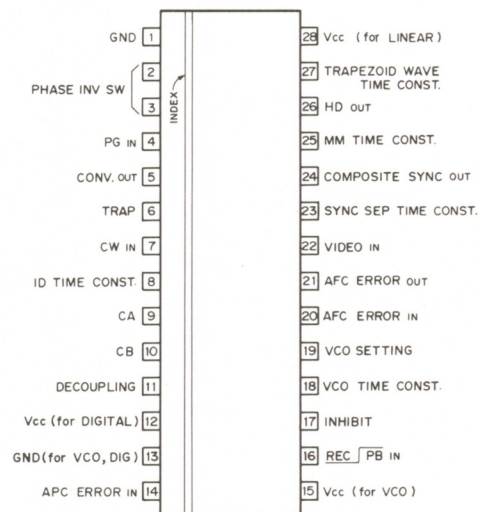


CX7928 (SONY)

C-MOS COLOR FRAMING CONTROL (PAL/SECAM)
—TOP VIEW—

CX859 (SONY)

—TOP VIEW—



DECODER TRUTH TABLE

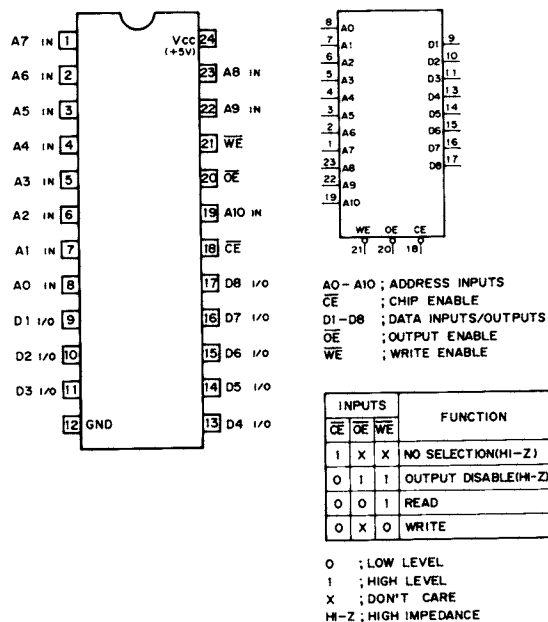
CB	CA	LOW	OPEN	HIGH
LOW	C1	C7	—	—
OPEN	C4	C5	C6	—
HIGH	—	*C2	C3	C8

* PG: L... C2
PG: H... C3

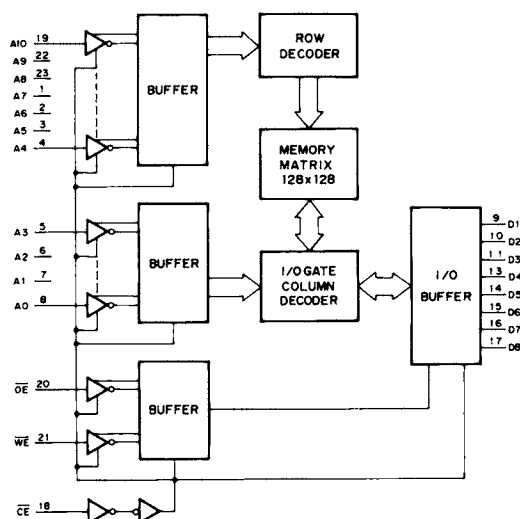
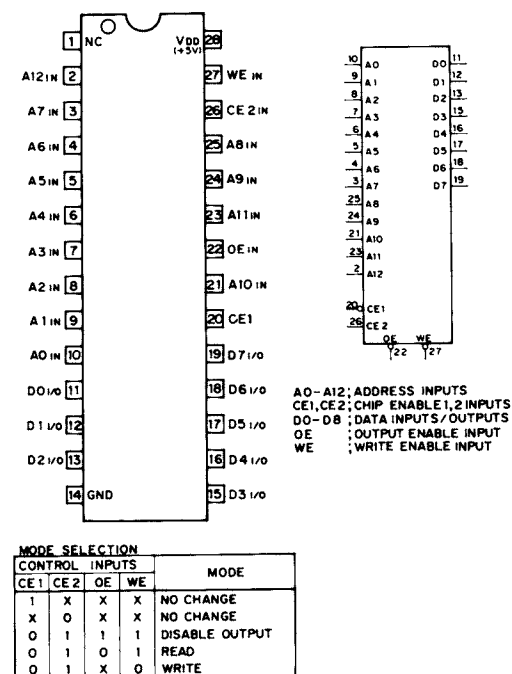
AFC/APC PRESET DATA

	AFC COUNT DOWN	APC ID COUNT	
		UPPER LIM.	LOWER LIM.
C1	f/473	105	95
C2	f/351	129	119
C3	f/353	137	127
C4	f/351	118	104
C5	f/351	131	117
C6	f/351	144	130
C7	f/350	136	104
C8	—	125	115

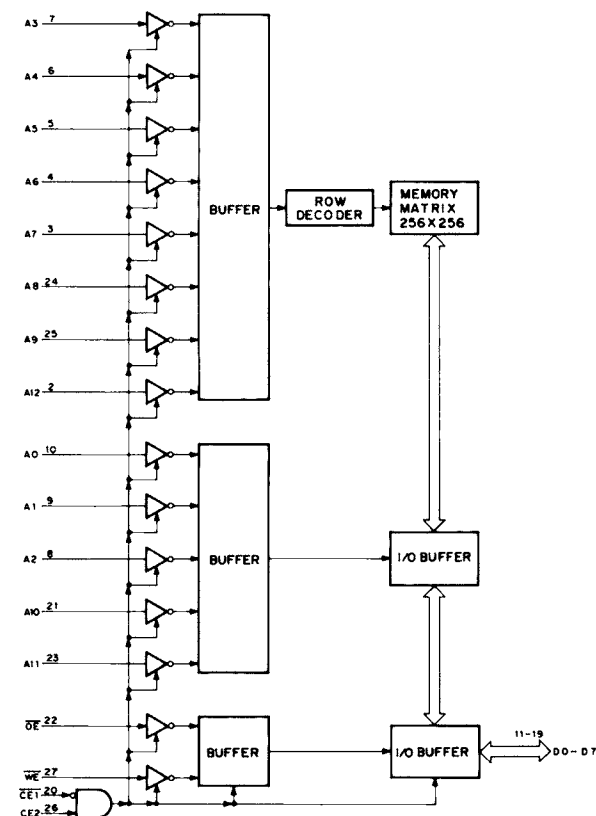
CXK5816PN-10 (SONY) (ACCESS TIME=100nS)
 CXK5816PN-10L (SONY) (ACCESS TIME=100nS)
 CXK5816PN-12 (SONY) (ACCESS TIME=120nS)
 CXK5816PN-12L (SONY) (ACCESS TIME=120nS)
 CXK5816PN-15 (SONY) (ACCESS TIME=150nS)
 CXK5816PN-15L (SONY) (ACCESS TIME=150nS)
 C-MOS 16384-BIT (2048x8) STATIC RAM
 — TOP VIEW —



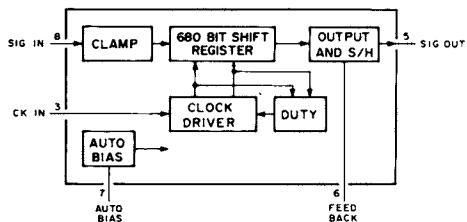
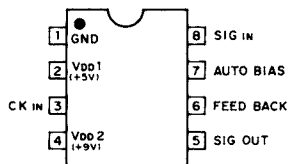
CXK5864PN-10 (SONY) (ACCESS TIME=100nS)
 CXK5864PN-10L (SONY) (ACCESS TIME=100nS)
 CXK5864PN-12 (SONY) (ACCESS TIME=120nS)
 CXK5864PN-12L (SONY) (ACCESS TIME=120nS)
 CXK5864PN-15 (SONY) (ACCESS TIME = 150 nS)
 CXK5864PN-15L (SONY) (ACCESS TIME = 150 nS)
 C-MOS 64K (8Kx8-BIT) STATIC RAM
 — TOP VIEW —



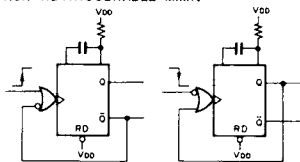
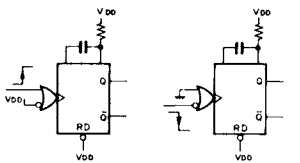
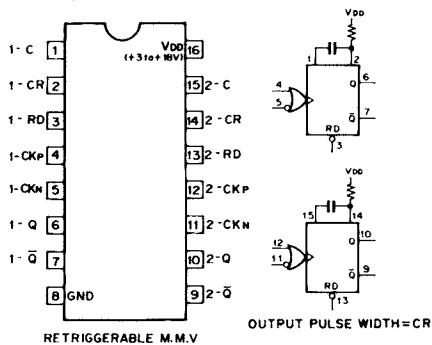
0; LOW LEVEL
 1; HIGH LEVEL
 X; DON'T CARE



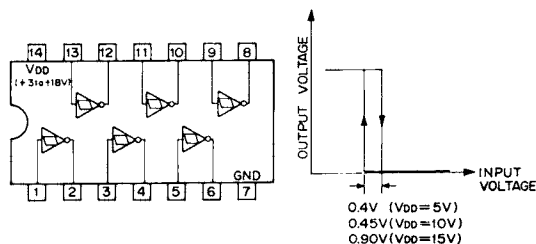
CXL5001P (SONY)
C-MOS CCD FOR NTSC 1H DELAY LINE
— TOP VIEW —



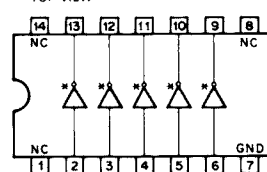
HD14538BP (HITACHI)
MC14538BCP (MOTOROLA)
TC4538BP (TOSHIBA)
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE
MONOSTABLE MULTIVIBRATOR
— TOP VIEW —



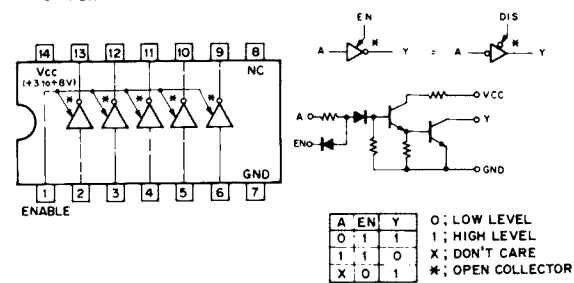
HD14584BP (HITACHI)
C-MOS SCHMITT TRIGGER INVERTER
— TOP VIEW —



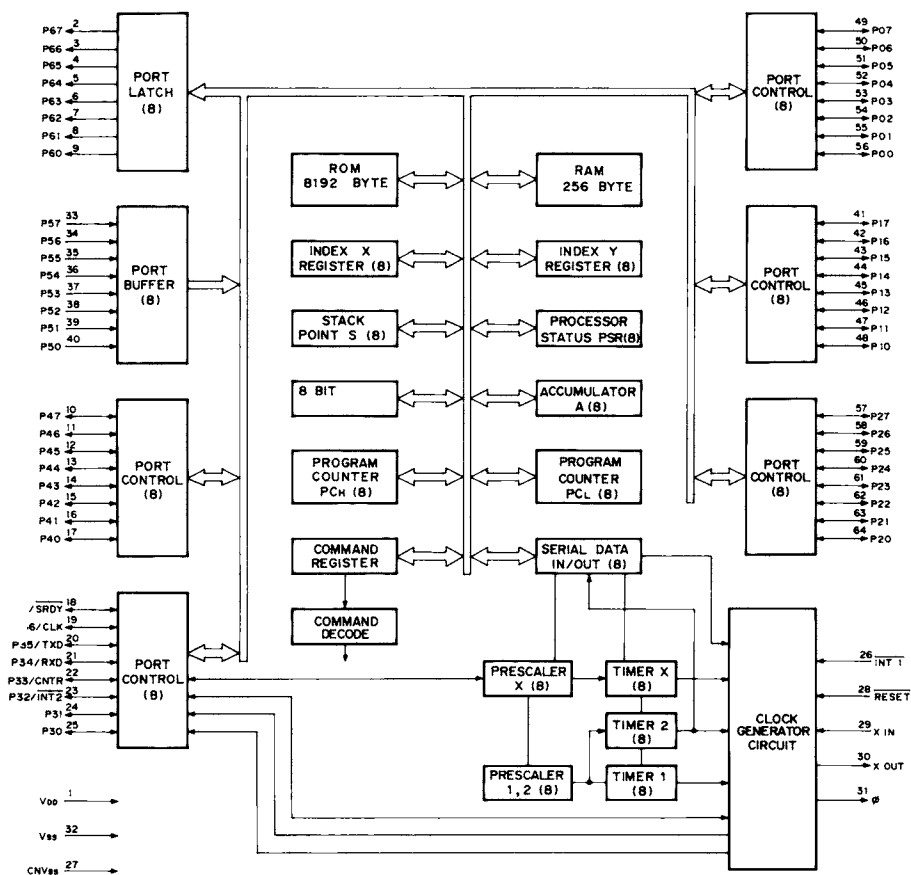
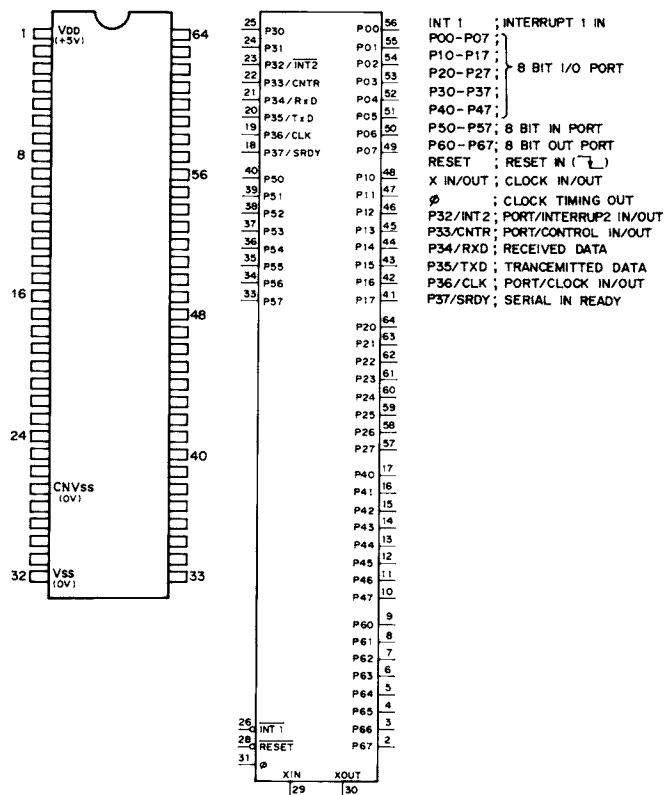
M54516P (MITSUBISHI)
INVERTER WITH OPEN-COLLECTOR
(DARLINGTON-CONNECTED TRANSISTOR ARRAY)
— TOP VIEW —



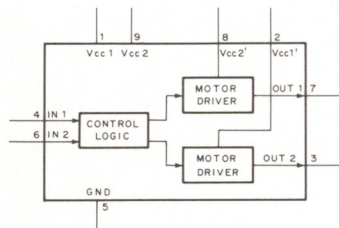
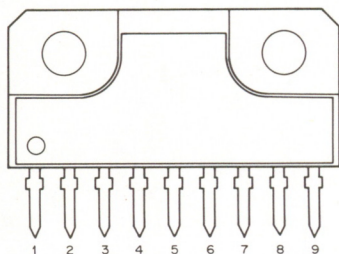
M54529AP (MITSUBISHI)
TRANSISTOR ARRAY
— TOP VIEW —



M50747H-XXXSP
C-MOS PROCESS 8-BIT ONE CHIP MICROCOMPUTER
— TOP VIEW —



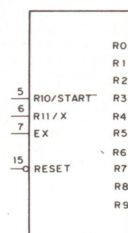
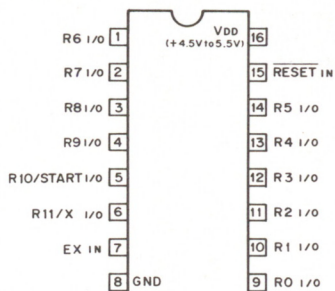
M54543L (MITSUBISHI)
BI-DIRECTIONAL MOTOR DRIVER
— SIDE VIEW —



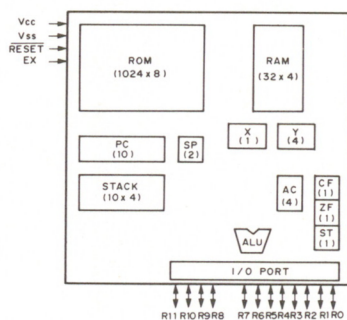
IN	OUT	MODE
1 2 1 2		NO OPERATION
0 0 1 0		ROTATION
0 1 0 1		REVERSE ROTATION
1 1 0 0		BRAKE

0: LOW LEVEL
1: HIGH LEVEL
2: HIGH IMPEDANCE

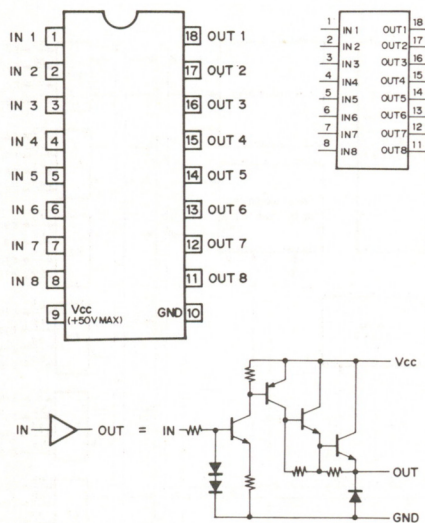
MB88201H-539N (FUJITSU)
C-MOS 4 BIT MICROCOMPUTER
— TOP VIEW —



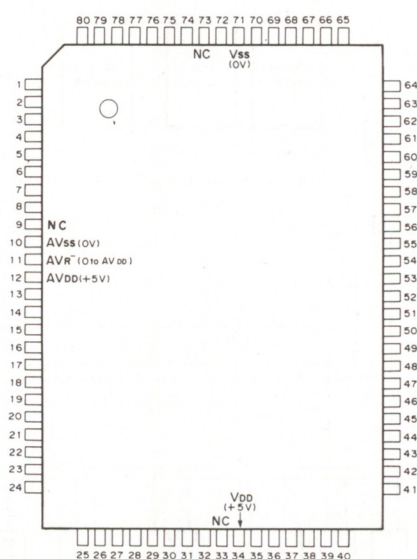
EX : EXTERNAL X'TAL IN
R0-R11 : I/O PORT(R) IN/OUT
RESET : RESET IN
START : STANDBY RELEASE IN
R11/X : EXT CLOCK IN/INT CLOCK OUT



M54562P (MITSUBISHI)
SOURCE TYPE DARLINGTON TRANSISTOR ARRAY
— TOP VIEW —

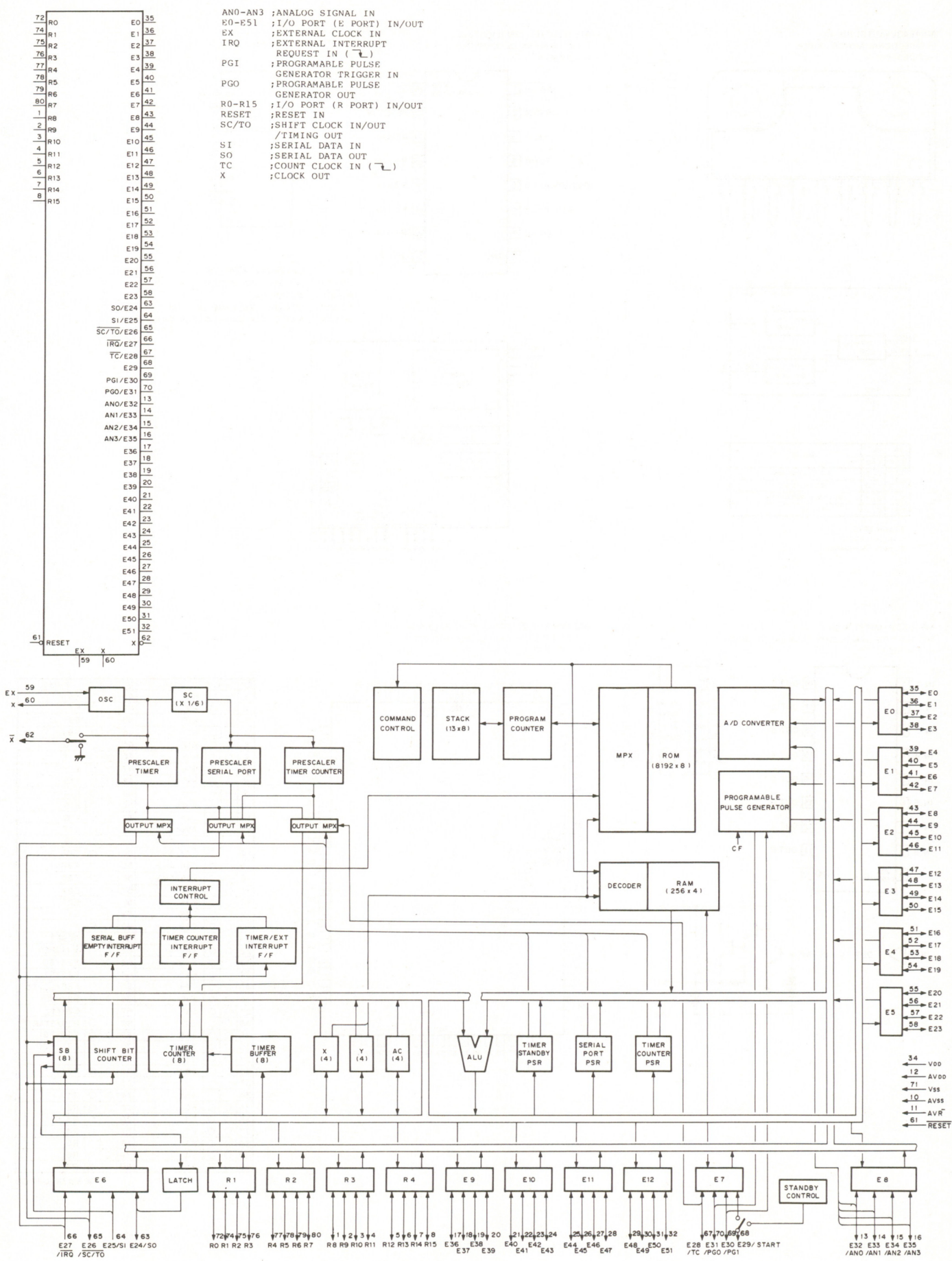


MB88551-H (FUJITSU) FLAT PACKAGE
C-MOS 4 BIT ONE-CHIP MICROPROCESSOR
— TOP VIEW —

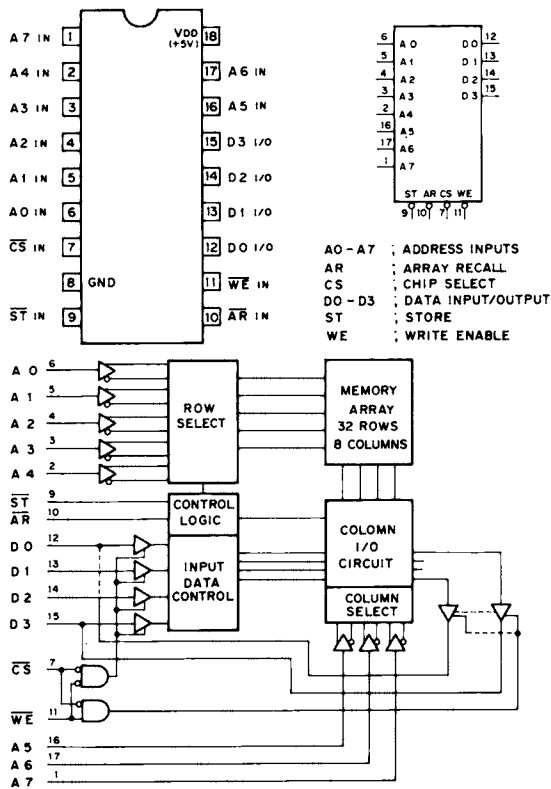


IN	OUT	SYMBOL	IN	OUT	SYMBOL
1	0	R8	41	0	E6
2	0	R9	42	0	E7
3	0	R10	43	0	E8
4	0	R11	44	0	E9
5	0	R12	45	0	E10
6	0	R13	46	0	E11
7	0	R14	47	0	E12
8	0	R15	48	0	E13
9	—	—	49	0	E14
10	—	AVss	50	0	E15
11	—	AVR	51	0	E16
12	—	AVDD	52	0	E17
13	0	E32/AN0	53	0	E18
14	0	E33/AN1	54	0	E19
15	0	E34/AN2	55	0	E20
16	0	E35/AN3	56	0	E21
17	0	E36	57	0	E22
18	0	E37	58	0	E23
19	0	E38	59	0	EX
20	0	E39	60	0	X
21	0	E40	61	0	RESET
22	0	E41	62	0	X/(OPEN)*
23	0	E42	63	0	E24/S0
24	0	E43	64	0	E25/S1
25	0	E44	65	0	E26/SC/T0
26	0	E45	66	0	E27/IRQ
27	0	E46	67	0	E28/TC
28	0	E47	68	0	E29/START*
29	0	E48	69	0	E30/PGI
30	0	E49	70	0	E31/PGO
31	0	E50	71	0	Vss
32	0	E51	72	0	R0
33	—	—	73	—	—
34	—	VDD	74	0	R1
35	0	E0	75	0	R2
36	0	E1	76	0	R3
37	0	E2	77	0	R4
38	0	E3	78	0	R5
39	0	E4	79	0	R6
40	0	E5	80	0	R7

* MASK OPTION



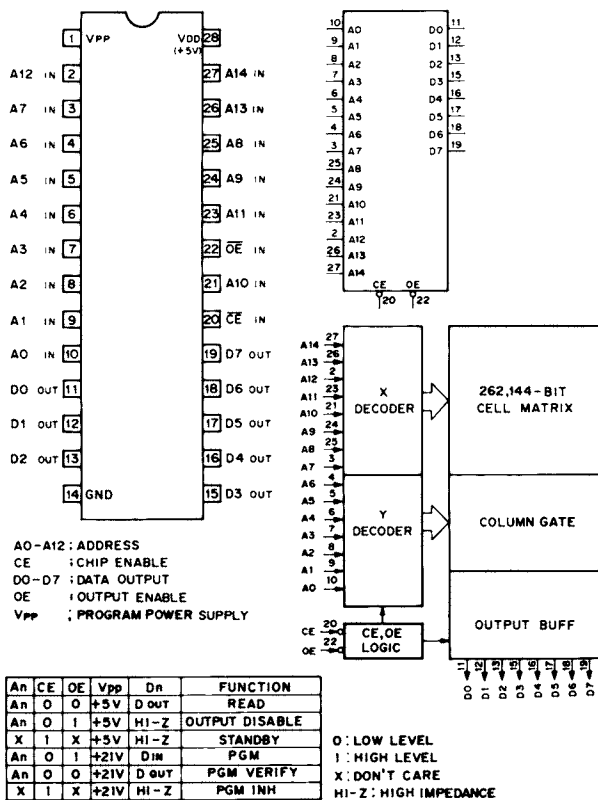
MBM2212-25P (FUJITSU) (ACCESS TIME = 250ns)
N-MOS 1024 (256x4)-BIT NONVOLATILE STATIC RAM
— TOP VIEW —



INPUTS				I/O	MODE
CS	WE	AR	ST		
1	X	1	1	HI-Z	NOT SELECTED
0	1	1	1	OUTPUT DATA	RAM READ
0	0	1	1	INPUT DATA 1	RAM WRITE "1"
0	0	1	1	INPUT DATA 0	RAM WRITE "0"
X	1	0	1	HI-Z	ARRAY RECALL
1	X	0	1	HI-Z	ARRAY RECALL
X	1	1	0	HI-Z	NONVOLATILE STORING
1	X	1	0	HI-Z	NONVOLATILE STORING

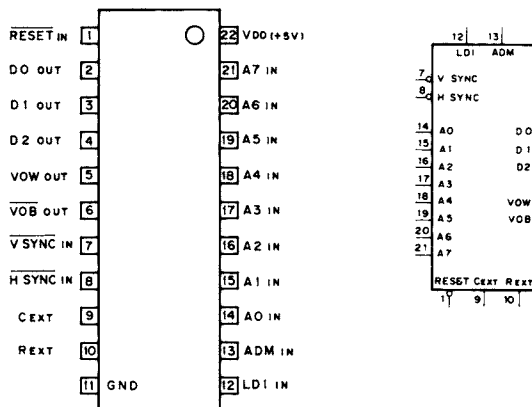
0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE
HI-Z : HIGH IMPEDANCE

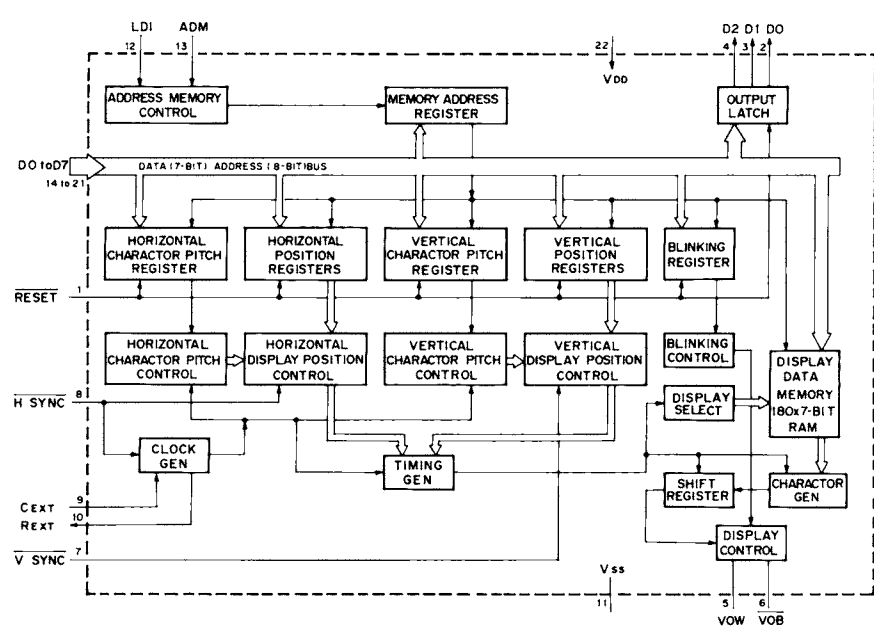
MBM27C256-25 (FUJITSU) (ACCESS TIME = 250 ns)
C-MOS 256K (32Kx8) ERASABLE PROM WITH 3-STATE OUTPUTS
— TOP VIEW —



An	CE	OE	Vpp	Dn	FUNCTION
An	0	0	+5V	D OUT	READ
An	0	1	+5V	HI-Z	OUTPUT DISABLE
X	1	X	+5V	HI-Z	STANDBY
An	0	1	+21V	DIH	PGM
An	0	0	+21V	D OUT	PGM VERIFY
X	1	X	+21V	HI-Z	PGM INH

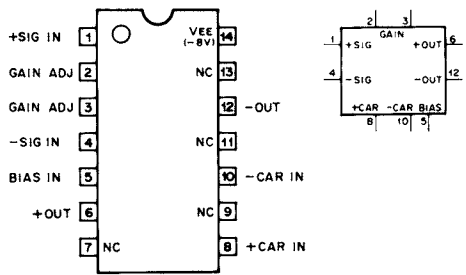
MB88303 (FUJITSU)
N-MOS PROGRAMMABLE TV DISPLAY CONTROLLER
— TOP VIEW —



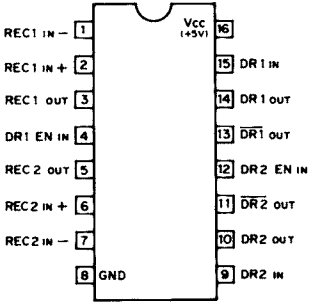


b3-b0	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
b5-b4	00	A	B	C	D	E	F	G	H	I	J	K	L	M	.	BLANK
	01	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	:	[
	10	0	1	2	3	4	5	6	7	8	9	?	!	'	.	BACK
	11	↑	↓	←	→	+	-	*	/	=	&					

MC1496P (MOTOROLA)
BALANCED MODULATOR/DEMODULATOR
— TOP VIEW —



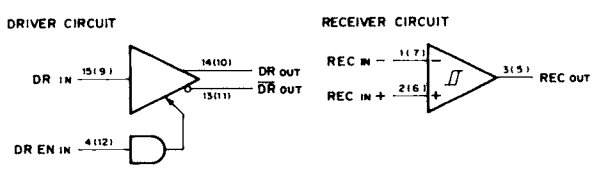
MC34051P (MOTOROLA)
RS-422 DRIVER/RECEIVER
— TOP VIEW —



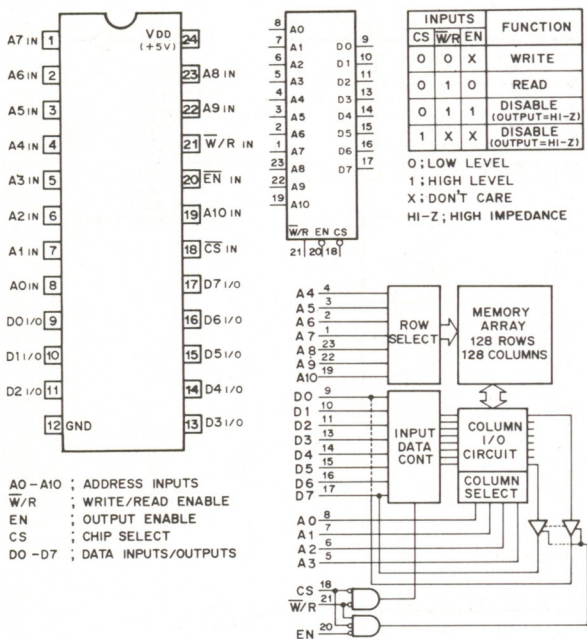
DREN	MODE
0	DISABLE
1	ENABLE

0 ; LOW LEVEL
1 ; HIGH LEVEL

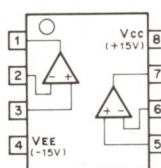
DR ; DRIVER
DR EN ; DRIVER ENABLE
REC ; RECEIVER



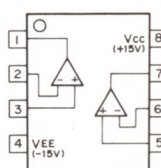
MSM5128-15RS (OKI) (ACCESS TIME = 150 nS)
C-MOS 16384(2048x8)-BIT HIGH SPEED STATIC RAM
— TOP VIEW —



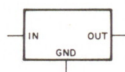
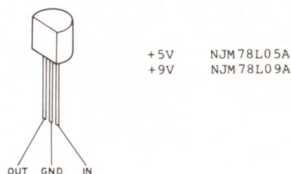
NJM4560D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



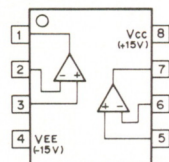
NJM4562D-D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



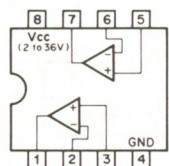
NJM78L ? ?A (NEC)
POSITIVE VOLTAGE REGULATOR (100mA)



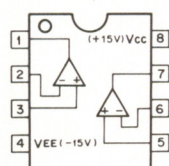
NJM2043D-D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



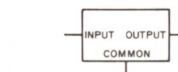
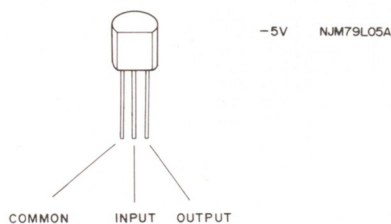
NJM2903D (JRC)
VOLTAGE COMPARATOR
— TOP VIEW —

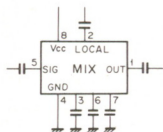


NJM4558D (JRC)
uPC4558C (NEC)
OPERATIONAL AMPLIFIER
— TOP VIEW —

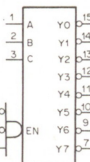


NJM79L ? ?A (JRC)
NEGATIVE VOLTAGE REGULATOR (100mA)
— FRONT VIEW —





Pin	Signal
1	A IN
2	B IN
3	C IN
4	EN1 IN
5	EN2 IN
6	EN3 IN
7	Y7 OUT
8	GND
9	Y6 OUT
10	Y5 OUT
11	Y4 OUT
12	Y3 OUT
13	Y2 OUT
14	Y1 OUT
15	Y0 OUT
16	VDD



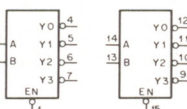
INPUT				OUTPUT							
EN	C	B	A	Y7	Y6	Y5	Y4	Y3	Y2	Y1	Y0
0	X	X	X	1	1	1	1	1	1	1	1
1	0	0	0	1	1	1	1	1	1	1	0
1	0	0	1	1	1	1	1	1	1	0	1
1	0	1	0	1	1	1	1	1	0	1	1
1	0	1	1	1	1	1	1	0	1	1	1
1	1	0	0	1	1	1	0	1	1	1	1
1	1	0	1	1	1	0	1	1	1	1	1
1	1	1	0	1	0	1	1	1	1	1	1
1	1	1	1	0	1	1	1	1	1	1	1

$$EN = \overline{EN1} \cdot \overline{EN2} \cdot EN3$$

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

* VDD HC : +2 to +6V
HCT: +5V

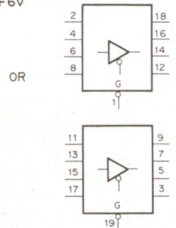
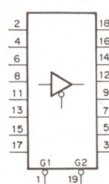
Pin diagram of the 74VHC04 hex inverters. The chip has 14 pins. Pin 1 is 1EN IN, Pin 2 is 1A IN, Pin 3 is 1B IN, Pin 4 is 1Y0 OUT, Pin 5 is 1Y1 OUT, Pin 6 is 1Y2 OUT, Pin 7 is 1Y3 OUT, Pin 8 is GND. Pin 16 is VDD (+2 to +6V), Pin 15 is 2EN IN, Pin 14 is 2A IN, Pin 13 is 2B IN, Pin 12 is 2Y0 OUT, Pin 11 is 2Y1 OUT, Pin 10 is 2Y2 OUT, Pin 9 is 2Y3 OUT.



INPUTS			OUTPUTS			
EN	B	A	Y3	Y2	Y1	Y0
0	0	0	1	1	1	0
0	0	1	1	1	0	1
0	1	0	1	0	1	1
0	1	1	0	1	1	1
1	X	X	1	1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

* VDD HC ; +2 to +6V
HCT; +5V

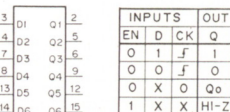


$$Y = A + B = \overline{\overline{A \cdot B}}$$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

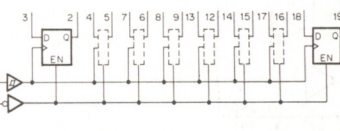
0: LOW LEVEL
1: HIGH LEVEL

Pin diagram of the 74VHC00 hex inverters. The package is shown with pins 1 through 10 on the left and pins 11 through 20 on the right. Pin 1 is labeled EN, pin 2 is Q1, pin 3 is D1, pin 4 is D2, pin 5 is Q2, pin 6 is Q3, pin 7 is D3, pin 8 is D4, pin 9 is Q4, and pin 10 is GND. On the right side, pin 20 is VDD, pin 19 is Q8, pin 18 is D8, pin 17 is D7, pin 16 is Q7, pin 15 is Q6, pin 14 is D6, pin 13 is D5, pin 12 is Q5, pin 11 is CK, and pin 10 is EN. A clock symbol is shown next to pin 11, and a VDD symbol is shown next to pin 20.



INPUTS			OUT
EN	D	CK	Q
0	1	↓	1
0	0	↓	0
0	X	0	Q ₀
1	X	X	HI-Z

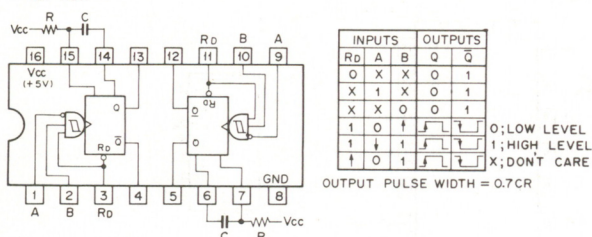
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE



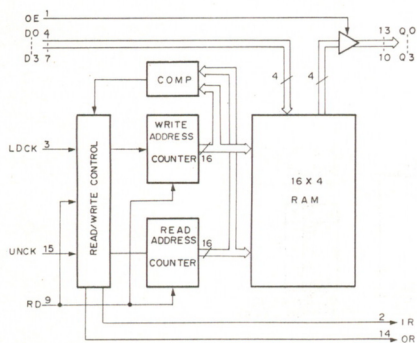
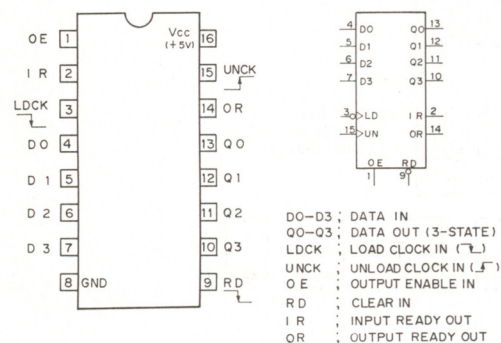
INPUTS				OUTPUTS	
So	Rd	CK	D	Qn+1	Qn+2
0	1	X	X	1	0
1	0	X	X	0	1
0	0	X	X	1*	1*
1	1	↓	1	1	0
1	1	↓	0	0	1
1	1	0	X	Qn	Qn

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
1^{*}; NONSTABLE

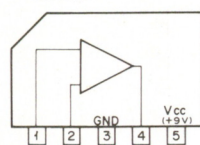
SN74LS221N (TI)

TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
— TOP VIEW —

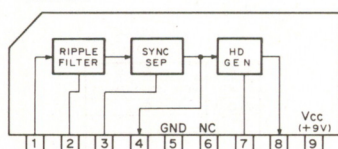
SN74LS224N (TI)

TTL 16 WORDx4 BIT ASYNCHRONOUS FIRST-IN FIRST-OUT MEMORY
— TOP VIEW —

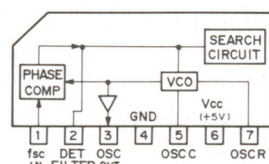
TA7060AP (TOSHIBA)

LINEAR AMP
— SIDE VIEW —

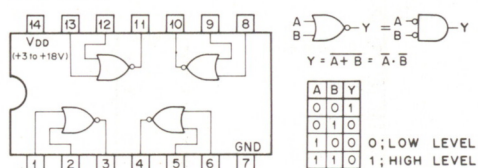
TA7357AP (TOSHIBA)

SYNC SEPARATOR/HD PULSE GENERATOR
— SIDE VIEW —

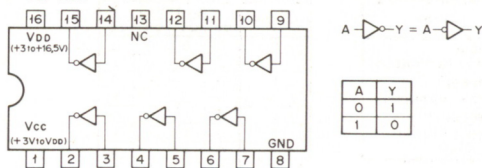
TA7374P (TOSHIBA)

THREE TIMES OSCILLATOR
— SIDE VIEW —

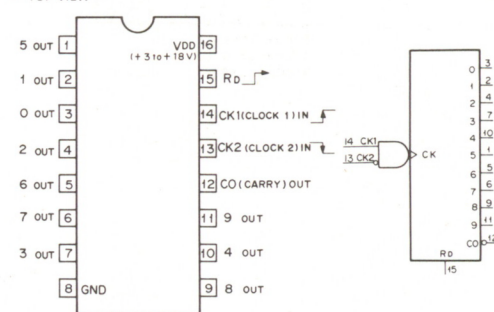
TC4001BP (TOSHIBA)











C-MOS 2-INPUT NOR GATE
— TOP VIEW —

TC4009UBP (TOSHIBA)

C-MOS INVERTING TYPE BUFFER/CONVERTER (TO TTL LEVEL)
— TOP VIEW —

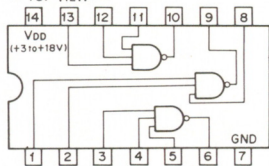
TC4017BP (TOSHIBA)

C-MOS DECADE COUNTER/DIVIDER
— TOP VIEW —

COUNT	INPUTS			OUTPUTS										
	RD	CK1	CK2	9	8	7	6	5	4	3	2	1	0	CO
0	1	X	0	0	0	0	0	0	0	0	0	0	0	1
0	0		0	0	0	0	0	0	0	0	0	0	1	1
1	0		0	0	0	0	0	0	0	0	1	0	1	1
2	0		0	0	0	0	0	0	0	1	0	0	1	1
3	0		0	0	0	0	0	0	1	0	0	0	1	1
4	0		0	0	0	0	0	1	0	0	0	0	1	1
5	0		0	0	0	0	1	0	0	0	0	0	0	1
6	0		0	0	0	1	0	0	0	0	0	0	0	1
7	0		0	0	1	0	0	0	0	0	0	0	0	1
8	0		0	1	0	0	0	0	0	0	0	0	0	1
9	0		1	0	0	0	0	0	0	0	0	0	0	1
NO COUNT	0	1												
	0	0												

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

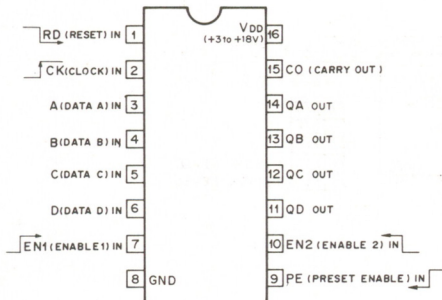
TC4023BP (TOSHIBA)
C-MOS 3-INPUT NAND GATE
— TOP VIEW —



$$Y = \overline{A \cdot B \cdot C} = \overline{A} + \overline{B} + \overline{C}$$

A	B	C	Y
X	X	0	1
X	0	X	1
0	X	X	1
1	1	1	0
1	1	X	X; DON'T CARE

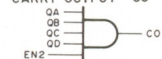
TC40161BP (TOSHIBA)
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER WITH ASYNCHRONOUS RESET
— TOP VIEW —



MODE SELECTION

CONTROL INPUTS				MODE
RD	PE	EN1	EN2	
0	X	X	X	RESET (ASYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

CARRY OUTPUT "CO"



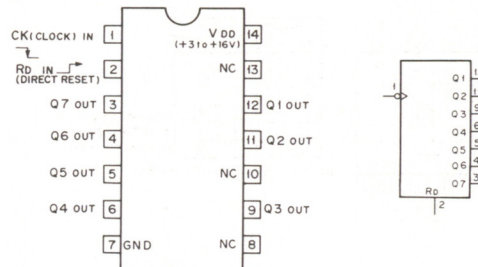
CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

COUNT SEQUENCE

COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

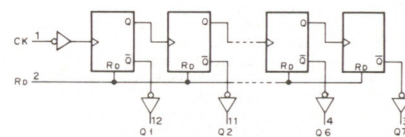
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

TC4024BP (TOSHIBA)
C-MOS ASYNCHRONOUS 7-BIT BINARY COUNTER
— TOP VIEW —

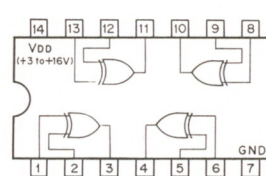


COUNT	INPUTS		OUTPUTS						
	CK	RD	Q7	Q6	Q5	Q4	Q3	Q2	Q1
0	X	1	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0	1
2	1	0	0	0	0	0	0	1	0
3	1	0	0	0	0	0	0	1	1
4	1	0	0	0	0	0	1	0	0
...
125	1	0	1	1	1	1	1	0	1
126	1	0	1	1	1	1	1	1	0
127	1	0	1	1	1	1	1	1	1
...
0	0	0	NO CHANGE						
1	1	0	NO CHANGE						

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE



TC4030BP (TOSHIBA)
TC4030BPHB (TOSHIBA)
uPD4030BC (NEC)
C-MOS EXCLUSIVE OR GATE
— TOP VIEW —

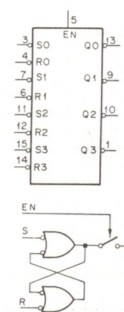
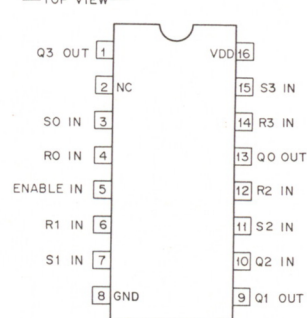


$$Y = \overline{A \cdot B} + \overline{A \cdot B}$$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0; LOW LEVEL
1; HIGH LEVEL

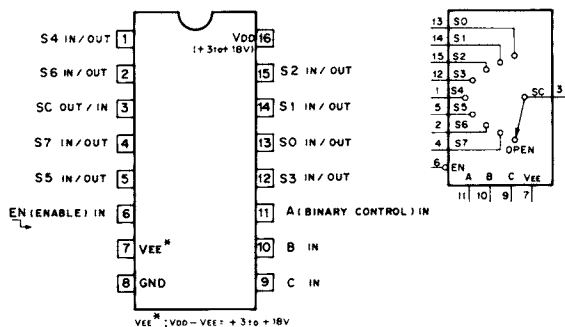
TC4044BP (TOSHIBA)
C-MOS 3-STATE OUTPUT NAND R/S LATCH
— TOP VIEW —



S	R	E	Q
X	X	0	HIGH IMPEDANCE
0	0	1	0
0	1	1	1
1	0	1	0
1	1	1	NO CHANGE

X: DON'T CARE

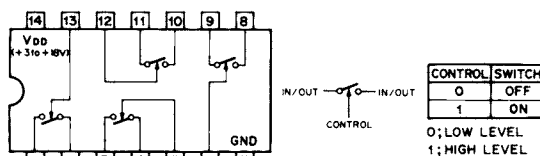
TC4051BP (TOSHIBA)
C-MOS 8-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —



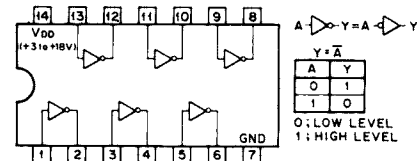
EN	C	B	A	"ON" CHANNEL
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	X	X	X	OPEN

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

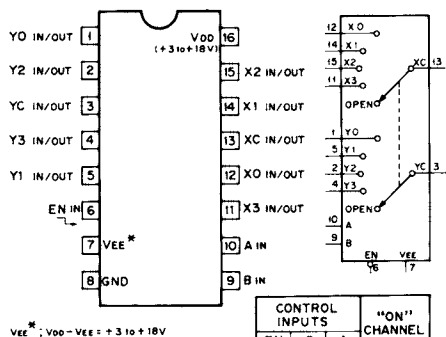
TC4066BFHB (TOSHIBA) FLAT PACKAGE
TC4066BP (TOSHIBA)
C-MOS BILATERAL ANALOG SWITCH
— TOP VIEW —



TC4069UBP (TOSHIBA)
C-MOS INVERTER
— TOP VIEW —



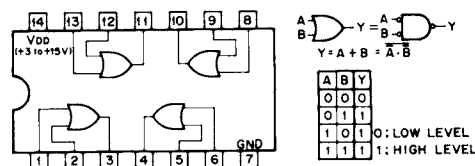
TC4052BP (TOSHIBA)
TC4052BPHB (TOSHIBA)
C-MOS 4-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —



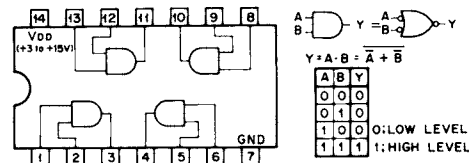
EN	B	A	"ON" CHANNEL
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	X	X	OPEN

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

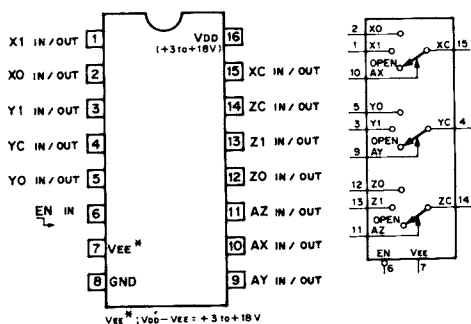
TC4071BP (TOSHIBA)
C-MOS 2-INPUT OR GATE
— TOP VIEW —



TC4081BP (TOSHIBA)
C-MOS 2-INPUT AND GATE
— TOP VIEW —



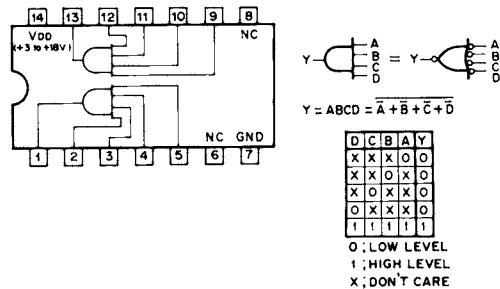
TC4053BP (TOSHIBA)
TC4053BPHB (TOSHIBA)
C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —



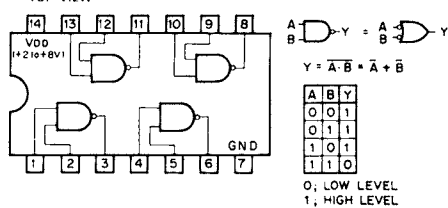
CONT. INPUTS	ON CHANNEL
EN A (X,Y,Z)	
0	0
0	1
1	X

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

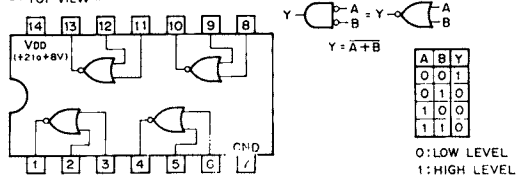
TC4082BP (TOSHIBA)
C-MOS 4-INPUT AND GATE
— TOP VIEW —



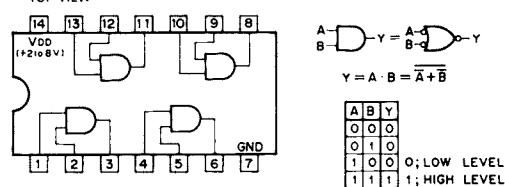
TC40H00P (TOSHIBA)
C-MOS 2-INPUT NAND GATE
— TOP VIEW —



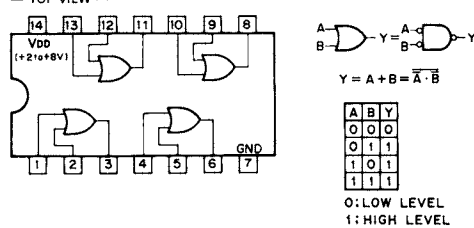
TC40H002P (TOSHIBA)
C-MOS 2-INPUT NOR GATE
— TOP VIEW —



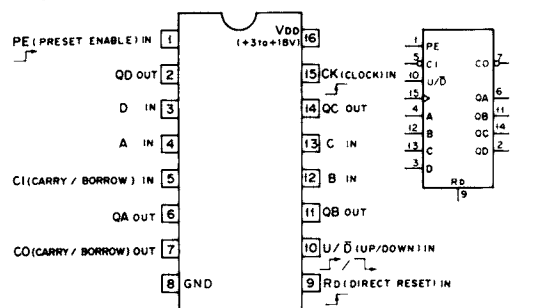
TC40H008P (TOSHIBA)
C-MOS 2-INPUT POSITIVE-AND GATE
— TOP VIEW —



TC40H032P (TOSHIBA)
C-MOS 2-INPUT POSITIVE-OR GATE
— TOP VIEW —



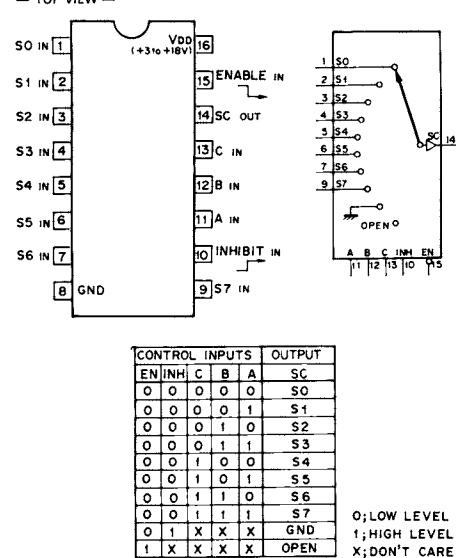
TC4510BP (TOSHIBA)
C-MOS PRESETTABLE BCD UP/DOWN COUNTER
— TOP VIEW —



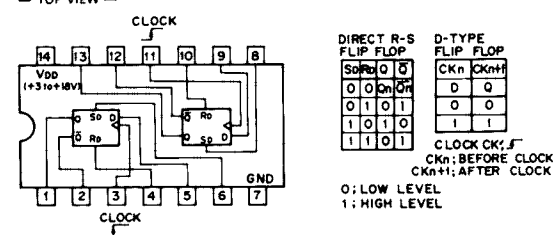
INPUTS						OUTPUTS			
CK	RD	PE	CI	U/D		QD	QC	QB	QA
X	1	X	X	X		0	0	0	0
X	0	1	X	X		SET TO ABCD			
1	0	0	0	1		COUNT UP			
1	0	0	0	0		COUNT DOWN			
0	0	0	X	X		NO CHANGE			
X	0	0	1	X		NO CHANGE			

CO=L
CI=L B (DOWN COUNT '0' OR UP COUNT '9')

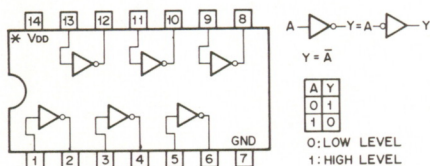
TC4512BP (TOSHIBA)
C-MOS 8-CHANNEL DATA SELECTOR/MULTIPLEXER
— TOP VIEW —



TC504013BP (TOSHIBA)
C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —

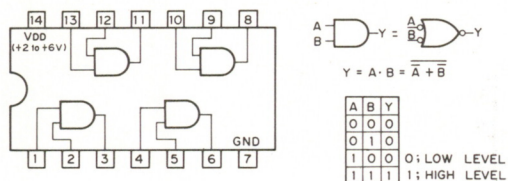


TC74HC04P (TOSHIBA)
TC74HCU04P (TOSHIBA)
C-MOS INVERTER
— TOP VIEW —

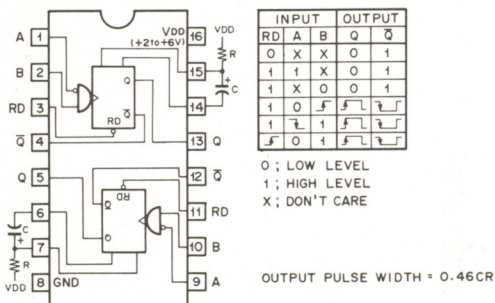


* VDD HC, HCU; +2 to +6V
HCT; +5V

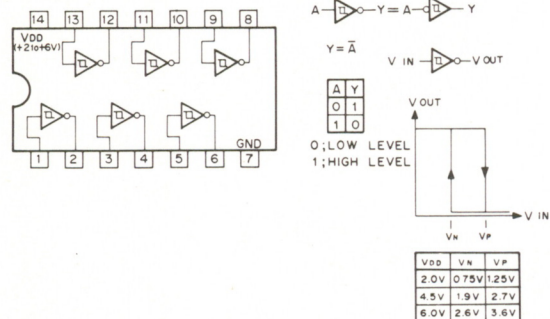
TC74HC08P (TOSHIBA)
C-MOS 2-INPUT AND GATE
— TOP VIEW —



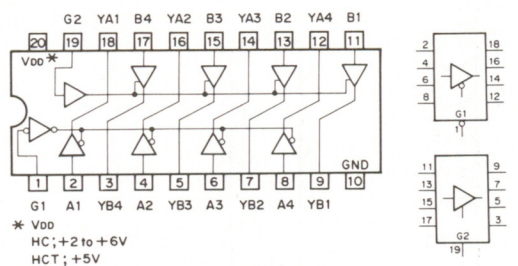
TC74HC123P (TOSHIBA)
C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW —



TC74HC14P (TOSHIBA)
C-MOS SCHMITT TRIGGER INVERTER
— TOP VIEW —



TC74HC241P (TOSHIBA)
C-MOS 3-STATE NONINVERTING BUFFER/LINE DRIVER/LINE RECEIVER
— TOP VIEW —



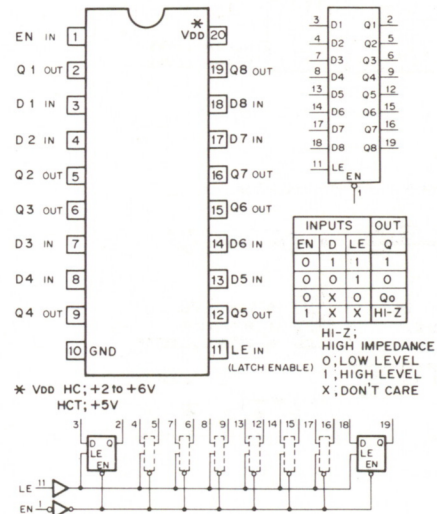
* VDD HC; +2 to +6V
HCT; +5V



G1	A	YA
0	0	0
0	1	1
1	X	HI-Z

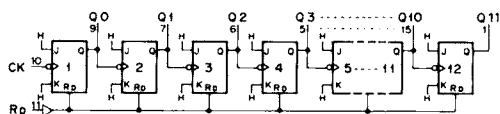
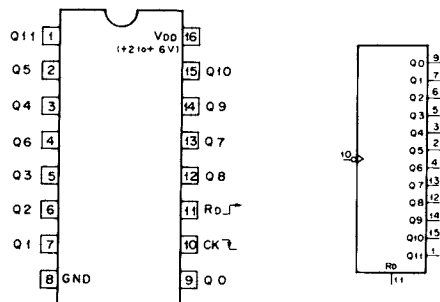
G2	B	YB
1	0	0
1	1	1
0	X	HI-Z

TC74HC373P (TOSHIBA)
C-MOS 3-STATE OUTPUTS OCTAL LATCHES
— TOP VIEW —



* VDD HC; +2 to +6V
HCT; +5V

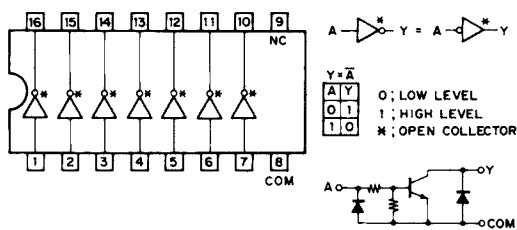
TC74HC4040P (TOSHIBA)
C-MOS 12-STAGE RIPPLE CARRY BINARY COUNTER/DRIVER
— TOP VIEW —



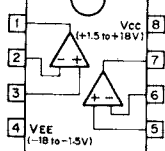
COUNT	Q11	Q10	Q9	Q8	Q7	Q6	Q5	Q4	Q3	Q2	Q1	Q0	RD	Q11.....Q0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
2	0	0	0	0	0	0	0	0	0	0	1	0	0	0
3	0	0	0	0	0	0	0	0	0	1	0	1	1	0
...
4095	1	1	1	1	1	1	1	1	1	1	1	1	1	1

0; LOW LEVEL
1; HIGH LEVEL

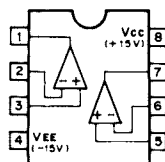
TD62503P (TOSHIBA)
TRANSISTOR ARRAY, INVERTING DRIVER WITH OPEN COLLECTOR
— TOP VIEW —



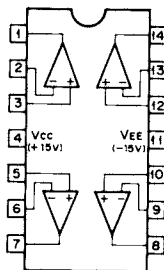
TL062CP (TI)
OPERATIONAL AMPLIFIER
(JFET INPUT)
— TOP VIEW —



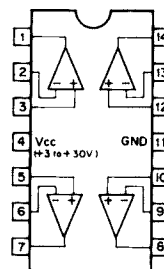
TL082CP (TI)
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



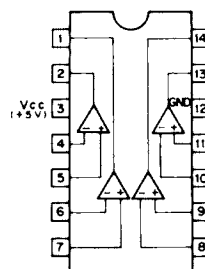
TL084CN (TI)
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



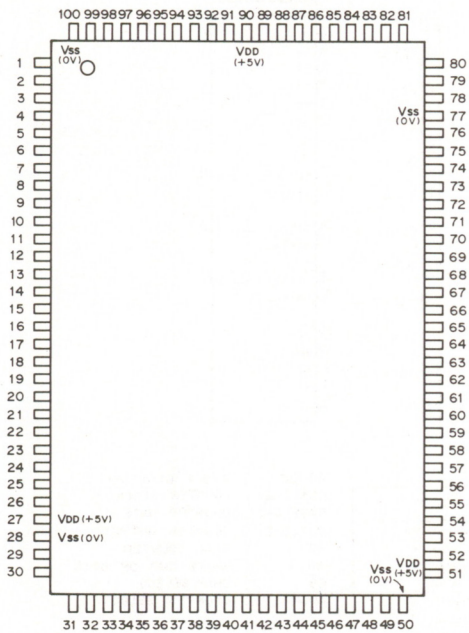
uPC324C (NEC)
QUAD. OP. AMPLIFIER
— TOP VIEW —



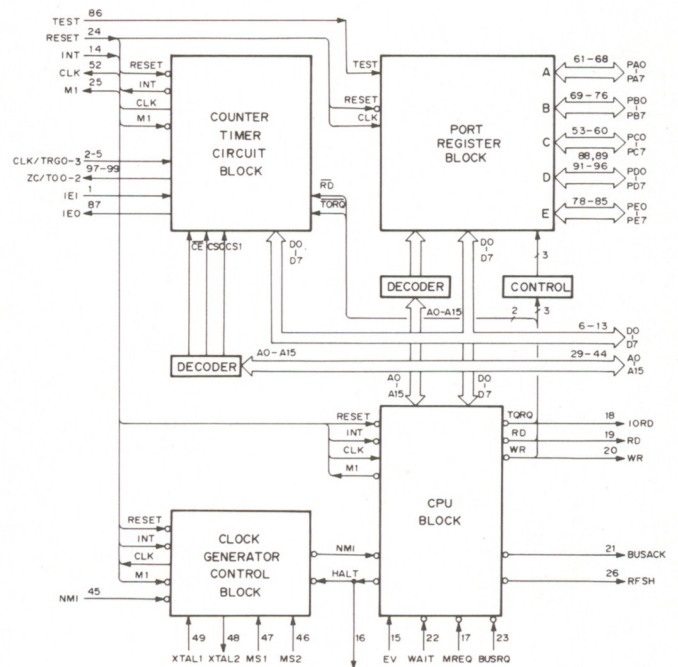
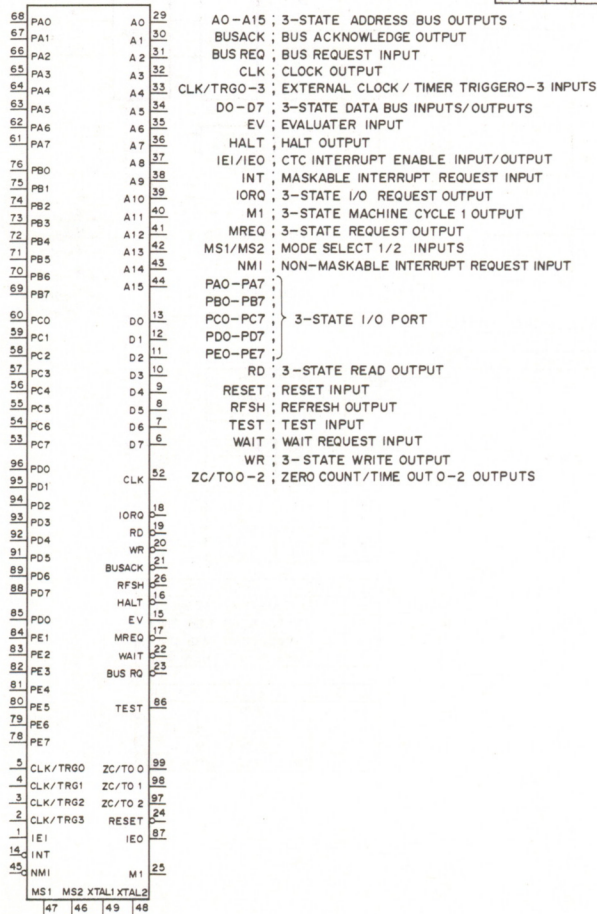
uPC339C (NEC)
COMPARATOR
— TOP VIEW —



TMPZ84C011AF (TOSHIBA)
C-MOS 8 BIT MICROPROCESSOR
— TOP VIEW —



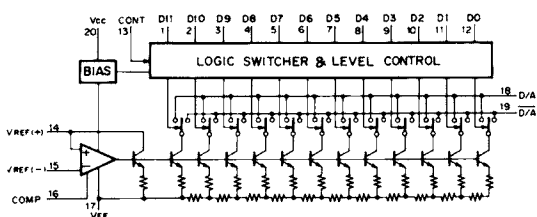
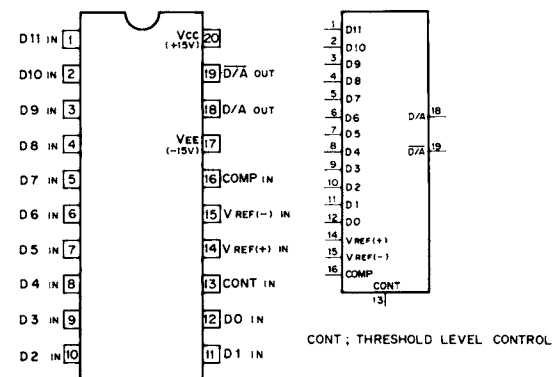
NO.	IN	OUT	SYMBOL	NO.	IN	OUT	SYMBOL
1			IE1	51			Vcc
2			CLK/TRG3	52			CLK
3			CLK/TRG2	53			PC7
4			CLK/TRG1	54			PC6
5			CLK/TRG0	55			PC5
6			D7	56			PC4
7			D6	57			PC3
8			D5	58			PC2
9			D4	59			PC1
10			D3	60			PC0
11			D2	61			PA7
12			D1	62			PA6
13			D0	63			PA5
14			INT	64			PA4
15			EV	65			PA3
16			HALT	66			PA2
17			MREQ	67			PA1
18			IORQ	68			PA0
19			RD	69			PB7
20			WR	70			PB6
21			BUSACK	71			PB5
22			WAIT	72			PB4
23			BUSREQ	73			PB3
24			RESET	74			PB2
25			MT	75			PB1
26			RFSH	76			PB0
27			Vcc	77			Vss
28			Vss	78			PE7
29			A0	79			PE6
30			A1	80			PE5
31			A2	81			PE4
32			A3	82			PE3
33			A4	83			PE2
34			A5	84			PE1
35			A6	85			PE0
36			A7	86			TEST
37			A8	87			IE0
38			A9	88			PD7
39			A10	89			PD6
40			A11	90			Vcc
41			A12	91			PD5
42			A13	92			PD4
43			A14	93			PD3
44			A15	94			PD2
45			NMI	95			PD1
46			MS2	96			PD0
47			MS1	97			ZC/TO2
48			XTAL2	98			ZC/TO1
49			XTAL1	99			ZC/TO0
50			Vss	100			Vss



uPC648C (NEC)

12-BIT D/A CONVERTER WITH OPEN COLLECTOR OUTPUT

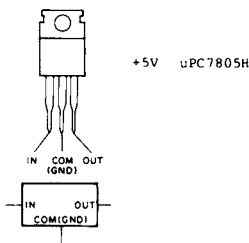
— TOP VIEW —



uPC7805H (NEC)

POSITIVE VOLTAGE REGULATOR (1A)

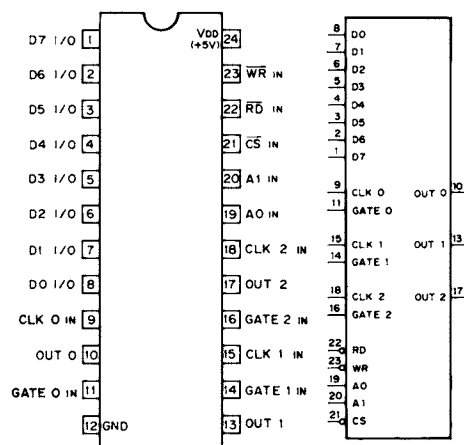
— SIDE VIEW —



uPD71054C (NEC)

CMOS PROGRAMMABLE TIMER COUNTER

— TOP VIEW —

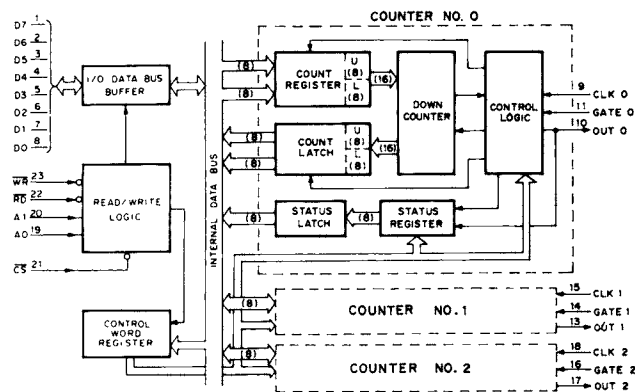


FUNCTION TABLE

INPUTS						FUNCTION	
CS	RD	WR	A1	A0			
0	1	0	0	0		Load Counter No. 0	
0	1	0	0	1		Load Counter No. 1	
0	1	0	1	0		Load Counter No. 2	
0	1	0	1	1		Control Word	
0	0	1	0	0		Read Counter 0	
0	0	1	0	1		Read Counter 1	
0	0	1	1	0		Read Counter 2	
0	0	1	1	1		No-Operation (HI-Z)	
1	X	X	X	X		Disable (HI-Z)	
0	1	1	X	X		No-Operation (HI-Z)	

D7-D0 : 8-BIT DATA I/O
 CLK 0-2 : COUNTER CLOCK
 GATE 0-2 : COUNTER GATE
 OUT 0-2 : COUNTER OUTPUT
 RD : READ COUNTER
 WR : WRITE CMD OR DATA
 CS : CHIP SELECT
 A0, A1 : COUNTER SELECT

0: LOW LEVEL
 1: HIGH LEVEL
 X: DON'T CARE
 HI-Z: HIGH IMPEDANCE



CONTROL WORD FORMAT

D7	D6	D5	D4	D3	D2	D1	D0
SC1	SC0	RL1	RL0	M2	M1	M0	BCD

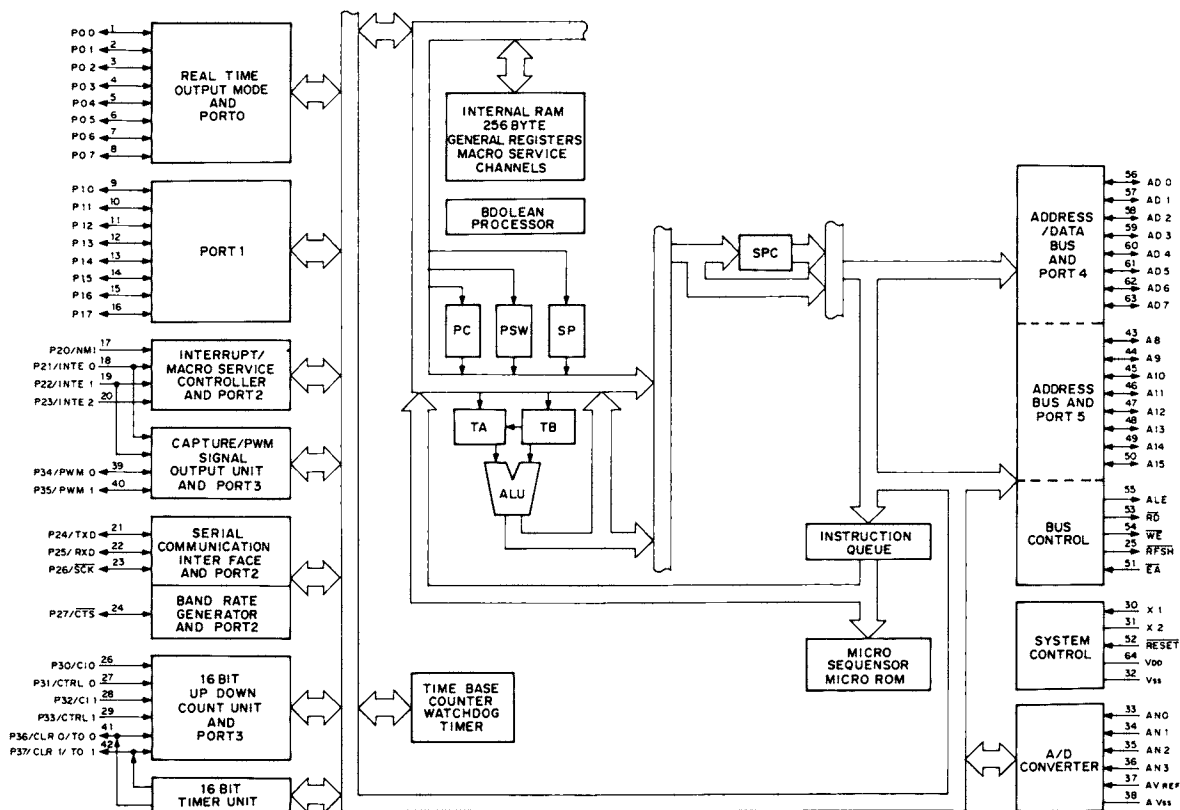
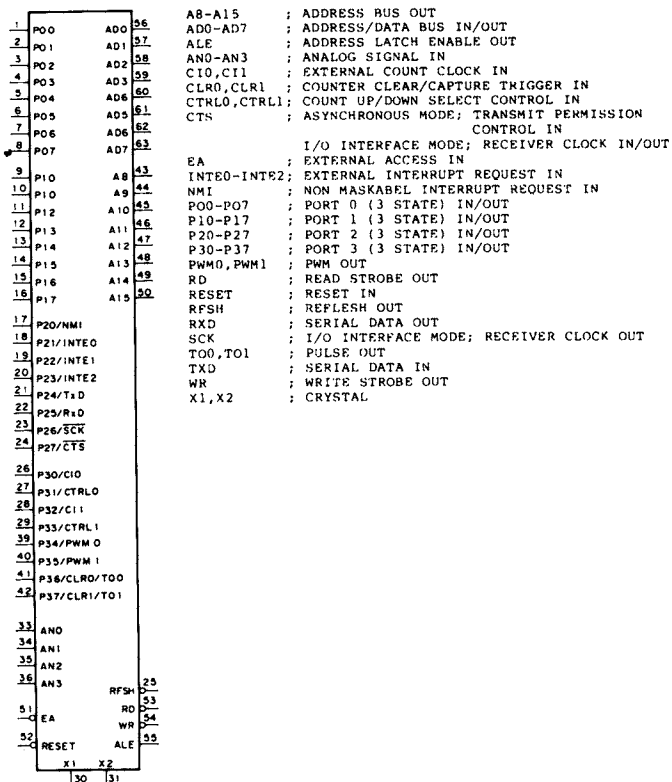
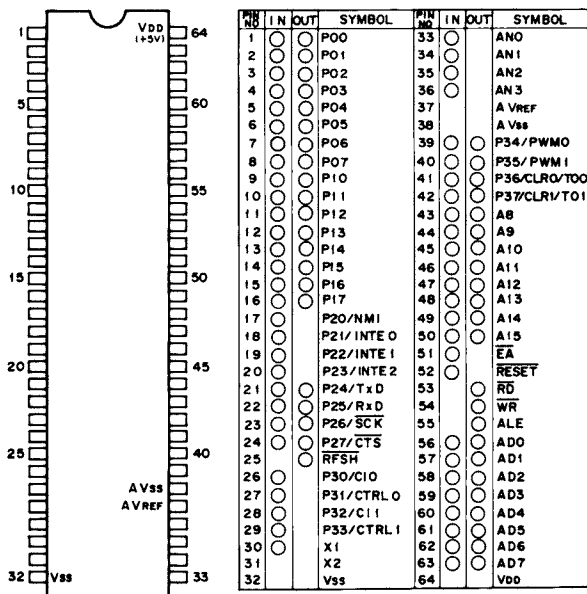
BCD		OPERATION	
0	0	16-BIT BINARY	
1	0	BCD (4-DECADE)	

M2	M1	M0	MODE
0	0	0	0
0	0	1	1
X	1	0	2
X	1	1	3
1	0	0	4
1	0	1	5

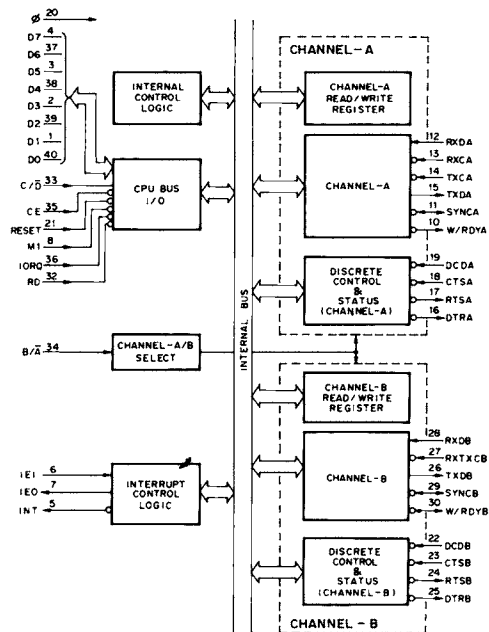
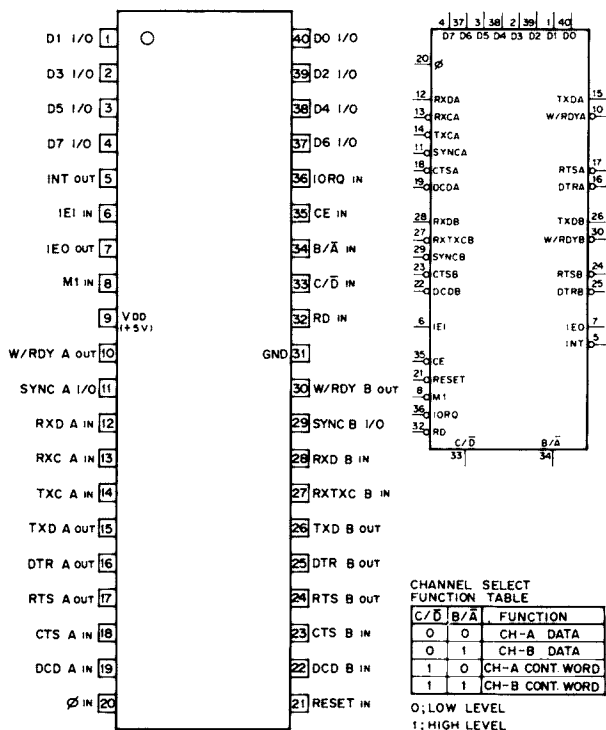
RL1	RL0	OPERATION	
0	0	COUNTER LATCHING	
0	1	READ/LOAD LSB ONLY	
1	0	READ/LOAD MSB ONLY	
1	1	LSB FIRST THEN MSB	

SC1	SC0	SELECTED COUNTER	
0	0	COUNTER No. 0	
0	1	COUNTER No. 1	
1	0	COUNTER No. 2	
1	1	MULTIPLE LATCH CMD	

μPD78310CW (NEC)
C MOS 16/8 BIT ONE CHIP MICROCOMPUTER
— TOP VIEW —



Z80A-SIO/O (ZILOG)
N-MOS 2-CHANNEL SERIAL INPUT/OUTPUT
FOR MICROCOMPUTER SYSTEM
— TOP VIEW —



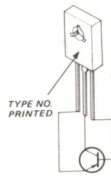
Ø ; SYSTEM CLOCK IN
 D7-D0 ; DATA BUS(3 STATE)I/O
 C/D ; CONTROL/DATA SELECT IN
 CE ; CHIP ENABLE IN
 M1 ; MACHINE CYCLE 1 IN
 IORQ ; I/O REQUEST IN
 RD ; READ IN
 B/A ; CHANNEL B/A SELECT IN
 IEI ; INTERRUPT ENABLE IN
 IEO ; INTERRUPT ENABLE OUT
 INT ; INTERRUPT OUT
 RXD ; RECEIVE DATA IN
 RXC ; RECEIVE CLOCK IN
 TXC ; TRANSMIT CLOCK IN
 TXD ; TRANSMIT DATA OUT
 SYNC ; EXTERNAL CHARACTER
 SYNCHRONIZATION I/O
 W/RDY ; WAIT/READY OUT
 DCD ; DATA CARRIER DETECT IN
 CTS ; CLEAR TO SEND IN
 RTS ; REQUEST TO SEND OUT
 DTR ; DATA TERMINAL READY OUT



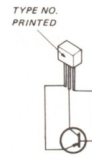
2SA1005



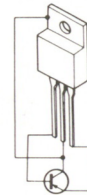
2SA1115



2SA1141
2SB649A



2SA1175



2SA768



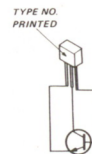
2SB733
2SB734



2SB739



2SC1740
2SC2754
2SC2878



2SC2785



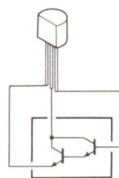
2SC2901



2SC3012



2SC403SP



2SD1111



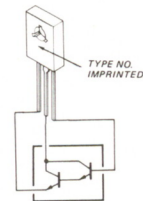
2SD669A



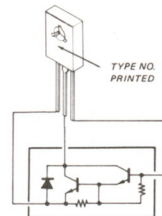
2SD773
2SD774



2SD788



2SD894



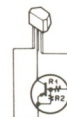
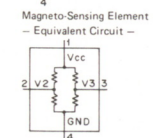
2SD998



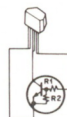
2SK523



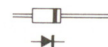
DM211



DTA124ES (R1=22K, R2=22K)
DTA124XS (R1=22K, R2=47K)
DTA144ES (R1=47K, R2=47K)



DTC124ES (R1=22K, R2=22K)
DTC143TS (R1=4.7K, R2= OPEN)
DTC144ES (R1=47K, R2=47K)



10E-1
10E-2
1S1555
1S1119
1S1133



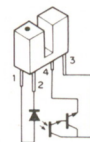
1SS97
1SS99



BR5104S ; RED



GL-5HD5 ; RED

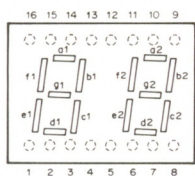


GP-1L52
GP-1L53

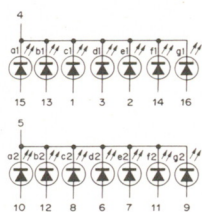


HLMP-1302 ; RED
TLG124A ; GREEN

DUAL 7-SEGMENT LED
— TOP VIEW —



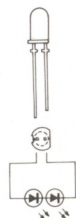
LB402VK (ROHM)



RD 7 7ES



SPS102



TLG255 : GREEN
TLY255 : YELLOW



U05E

SECTION 16
SCHEMATIC DIAGRAMS

回路図内において、REF. NO の近傍に下記記号が記載されていますが、これは生産時の部品データです。

In the schematic diagrams, the following marks are described nearby reference number.
These are parts data at factory.

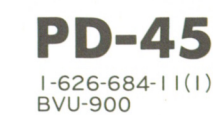
CAPACITOR (C)		RESISTOR (R)	
		VARIABLE RESISTOR (RV)	
AL	} ELECTROLYTIC	RC	} CARBON
AS		RD	
TA		RF	} FUSE
CA	} TANTALUM	RN	} METAL
CC		RS	
CCS		RW	} WIREWOUND
CM	} CERAMIC		
CS			
MPS			
PP	} MYLAR		
PS			
PT			
MD	} DIPPED MICA		
MS	} MICA		

The circuit information is provided below.

System	Board	Circuit function
VIDEO	PD-45 DM-54A	RF PB amplifier Y/C demodulator
AUDIO	AP-23 AU-85C AU-87A VR-76 MT-28 VR-49 HP-28 DUS-92 DUS-147 SW-170B	Audio PB/DOLBY processor DOLBY auto detector Output/monitor amplifier PB level control Level meter Headphones level control Headphones Audio head Junction board for audio head Audio monitor select
SERVO	SV-88C SE-48 DR-53 DR-59 PTC-28 LE-53 PTC-29 LE-54 DUS-177 DUS-178 VR-76	Drum/capstan/reel servo Reel rotation detector Motor driver for reel/capstan/drum Motor driver for reel S-tension CdS S-tension LED T-tension CdS T-tension LED T-reel motor S-reel motor Tracking control

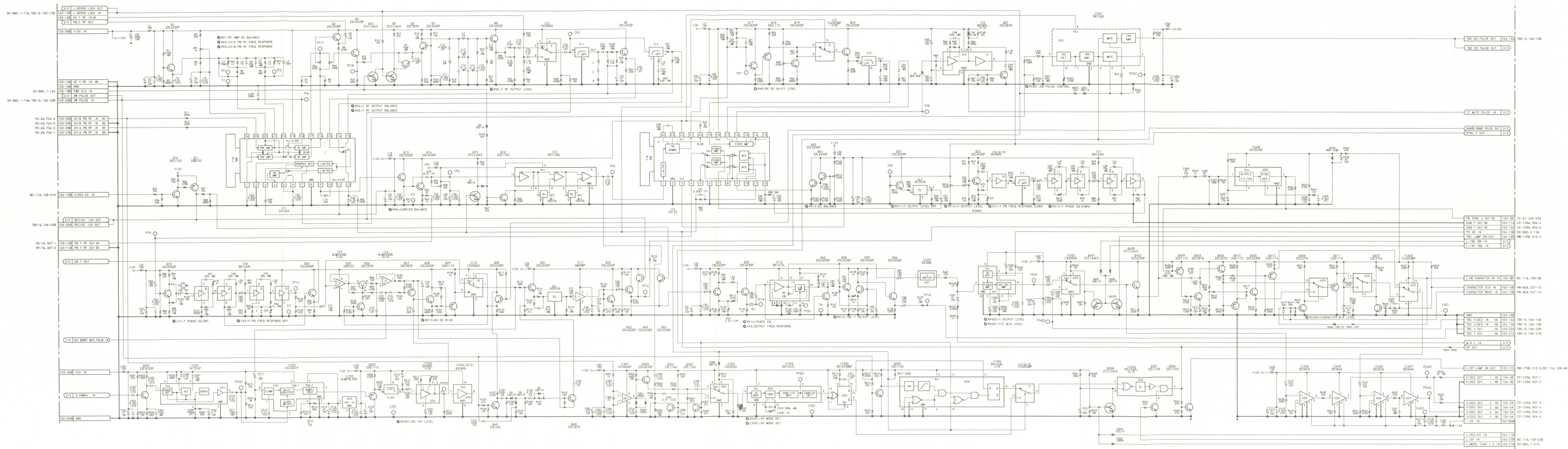
System	Board	Circuit function
SYSCON	SY-102B KY-144A DP-62 BC-11A HN-80A LM-13 PD-45 CC-31 CC-32 CC-33 PTC-30 PTC-33 PTC-34 PH-5(A) PH-5(B) PH-5(C) PTC-26 SW-170B SW-290 PTC-32 RM-44	System control Function key board Display Video/audio timing control Threading motor driver Threading motor Cassette-up compartment motor driver/Solenoid driver Cassette compartment driver Cassette in detector Cassette down detector SP, KCA detector FR stop detector Unthread end detector Tape top LED Tape top sensor Tape end LED Tape end sensor Select switch /warning indicator Remote 1/2 Select /TBC ON/OFF /Character ON/OFF Search dial Remote control (9pin & 24pin)
TIME CODE	TC-51 BC-11A HN-84 SW-290	Time code/Character generator Time code PB amplifier Time code head Time code control Switch
POWER	AC-78 M1 M2 C1 C2	AC primary circuit } Switching Regulator (UR-21)
OTHERS	MB-127A MB-139 CP-109A RM-45 AC-78 EX-127 EX-128 HN-80A HN-83 LP-41 TBC-5 DUS-151	Mother board Sub mother for TC Connector pannel TBC remote control AC primary circuit Extention board for audio/time code Extention board for video/servo/TBC Relay board for video/tape sensor/thread motor drive Relay board for time code head Cassette compartment light Time base corrector (Option) Connection (Option)

5

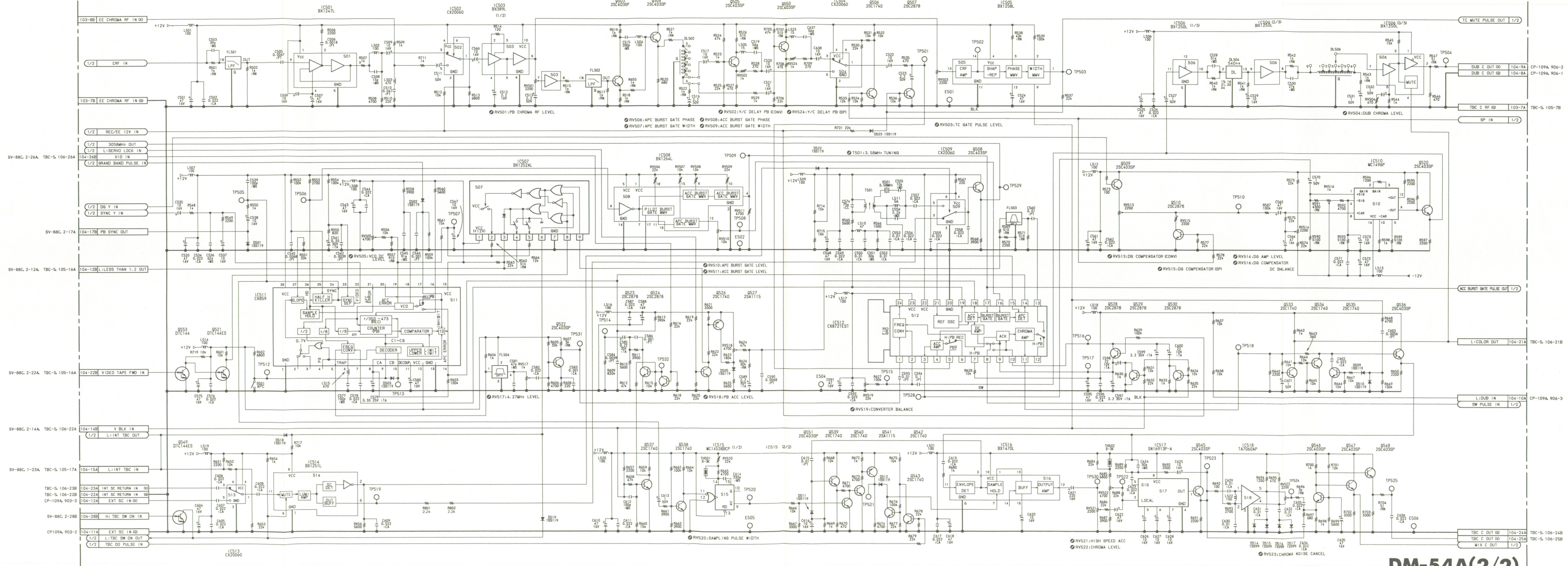


16-5



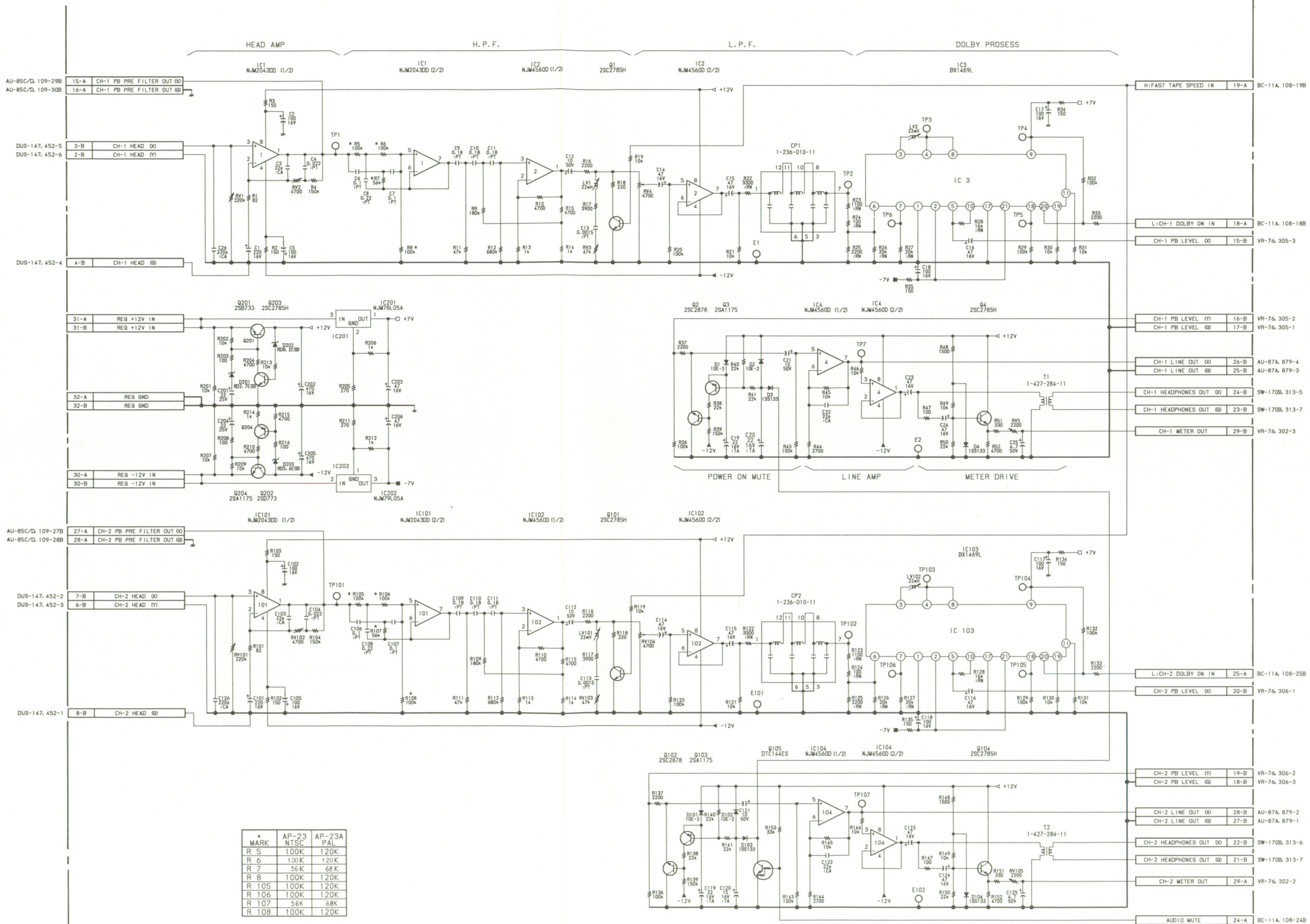


DM-54A(1/2)
I-622-707-21(1)
BVU-900

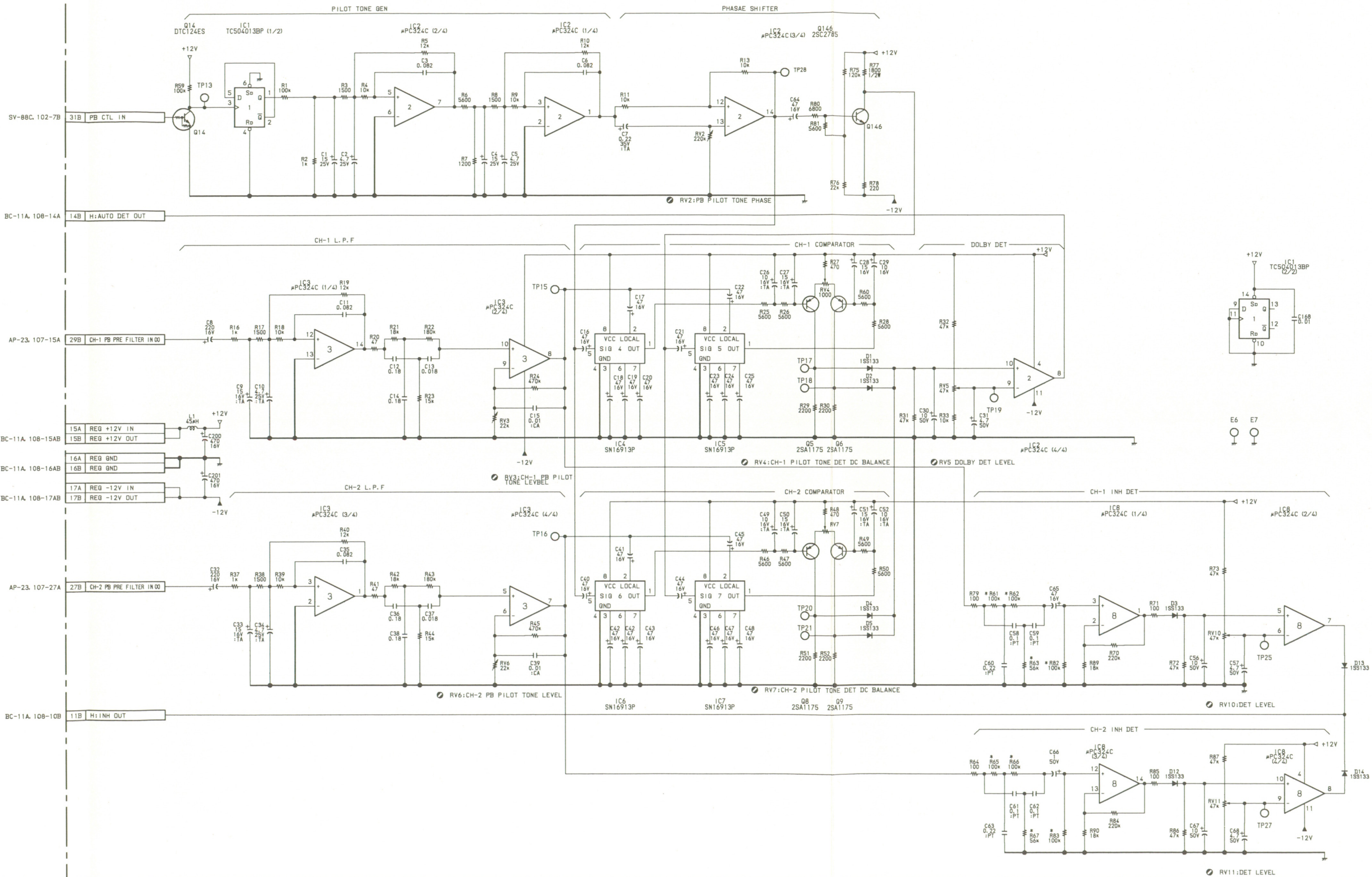


DM-54A(2/2)

1-622-707-2(1)
BVU-900



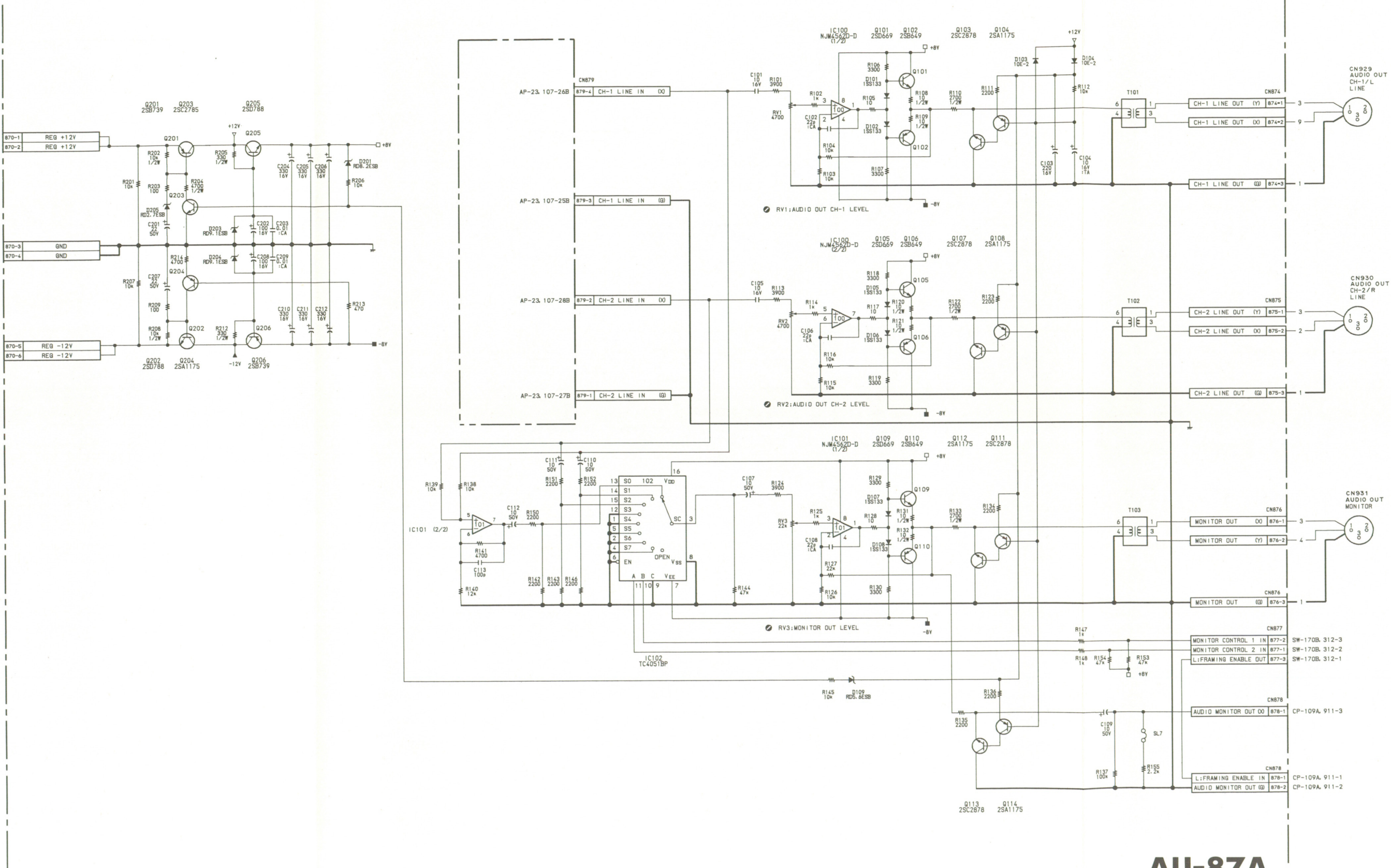
AU-85C; DOLBY AUTO DETECTOR



MARK	AU-85C	AU-85D
R61	100K	120K
R62	100K	120K
R65	100K	120K
R66	100K	120K
R63	56K	68K
R67	56K	68K
R83	100K	120K
R82	100K	120K

AU-85C
I-622-702-31(1)
BVU-900

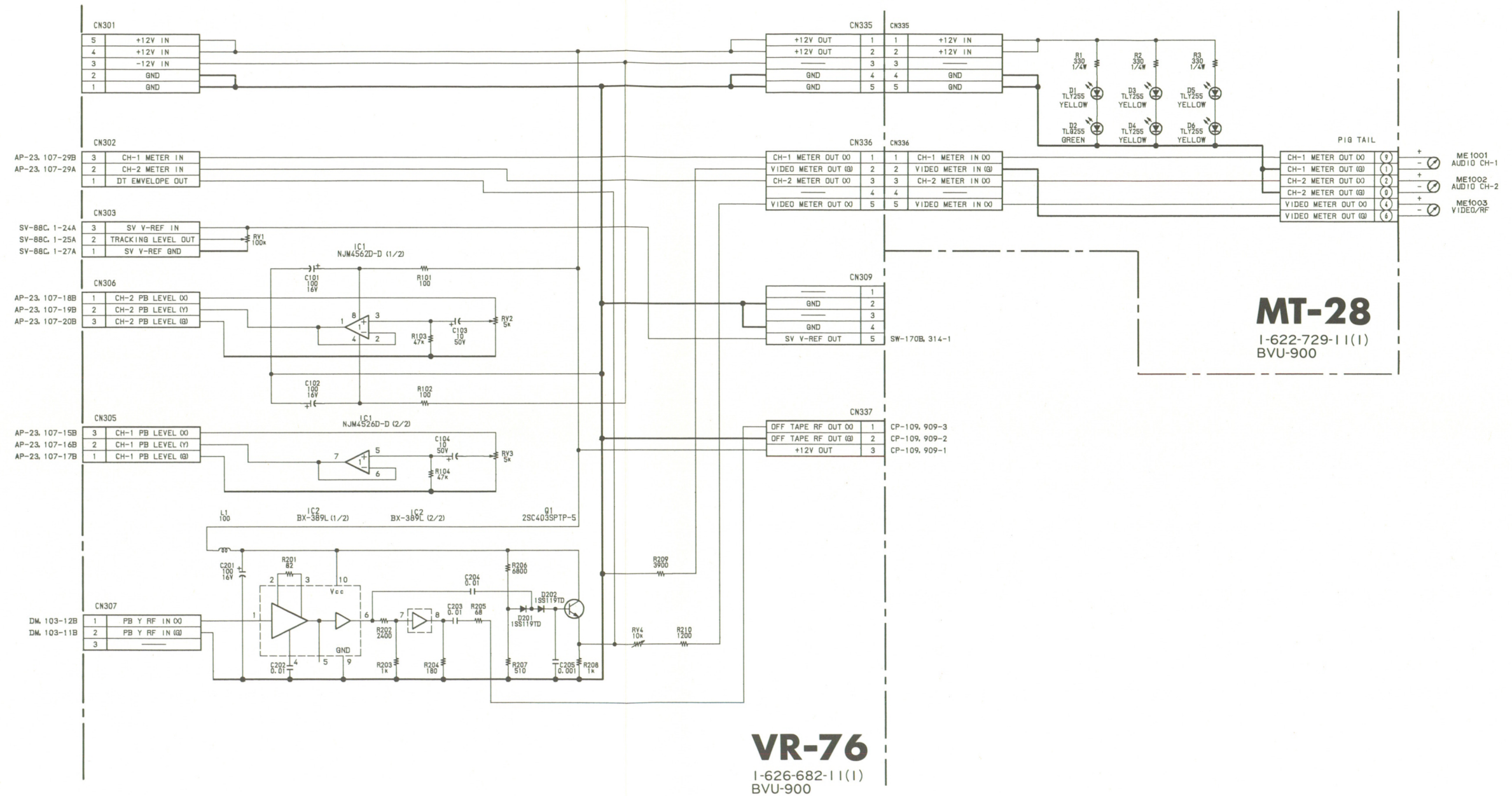
AU-87A; OUTPUT/MONITOR AMPLIFIER



AU-87A
1-622-703-21(1)
BVU-900

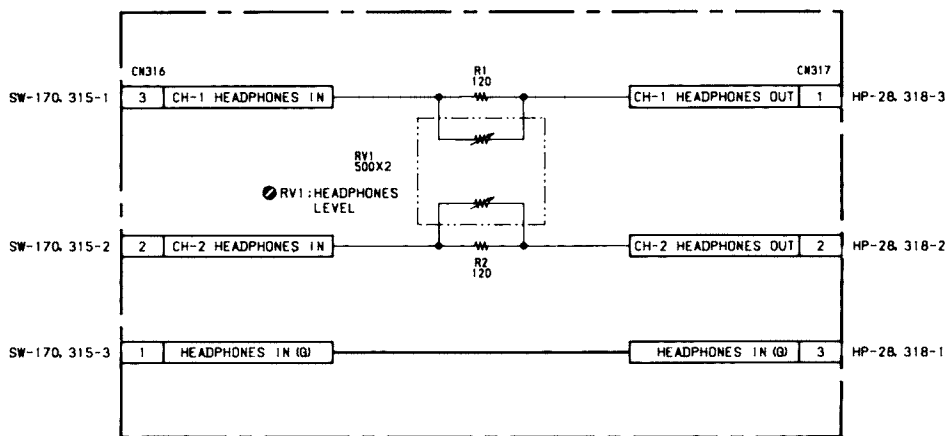
MT-28; LEVEL METER

VR-76; PB LEVEL/TRACKING CONTROL



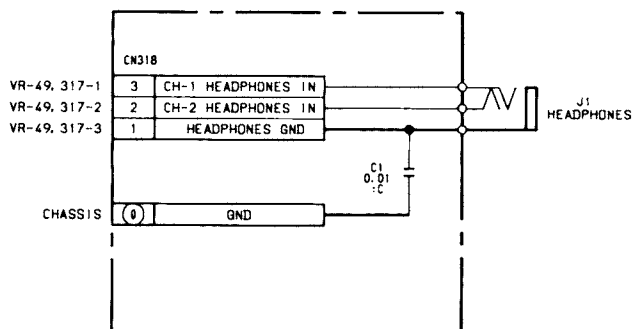
HP-28; HEADPHONES

VR-49; HEADPHONES LEVEL CONTROL



VR-49

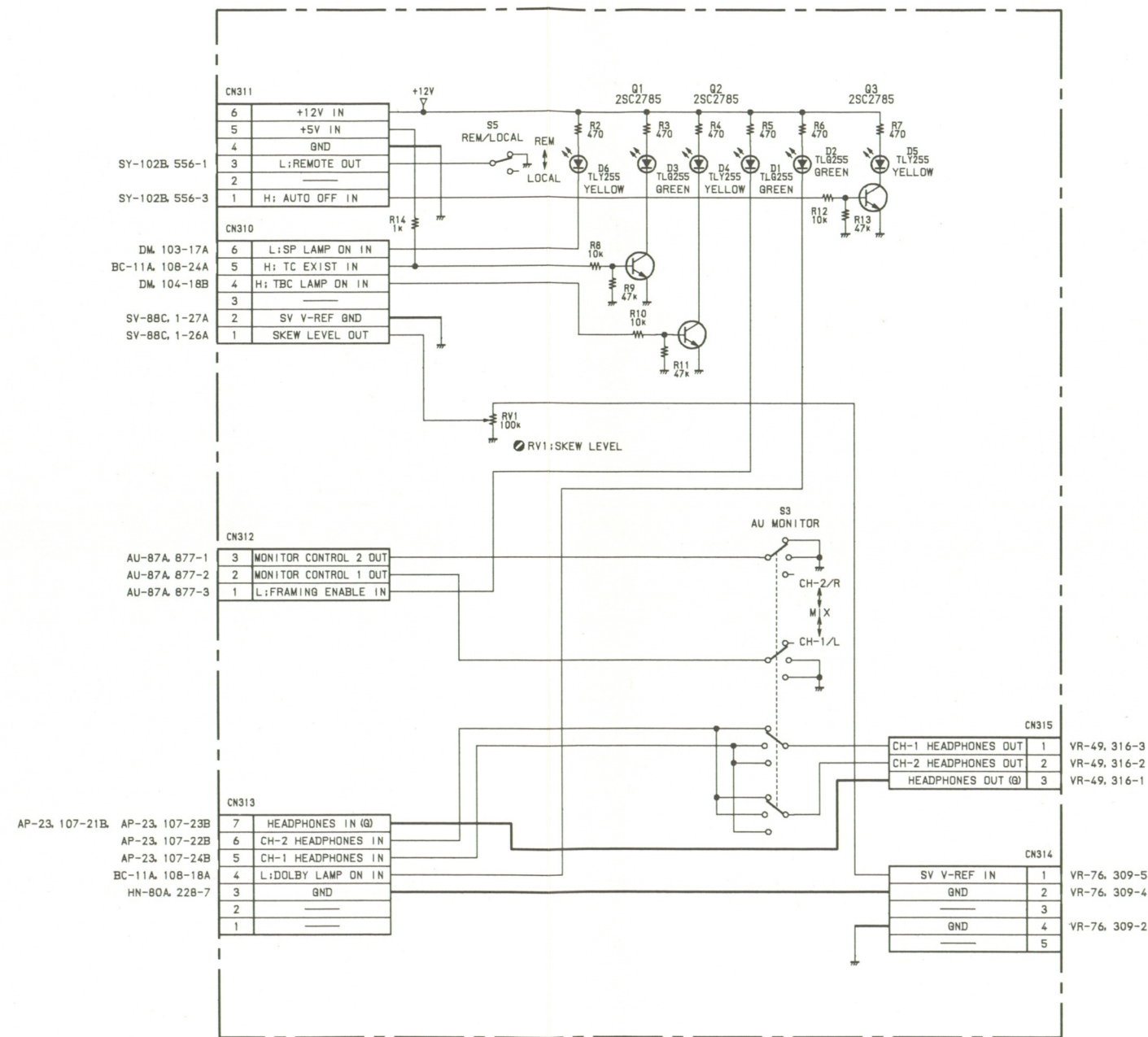
I-622-731-11(1)
BVU-900



HP-28

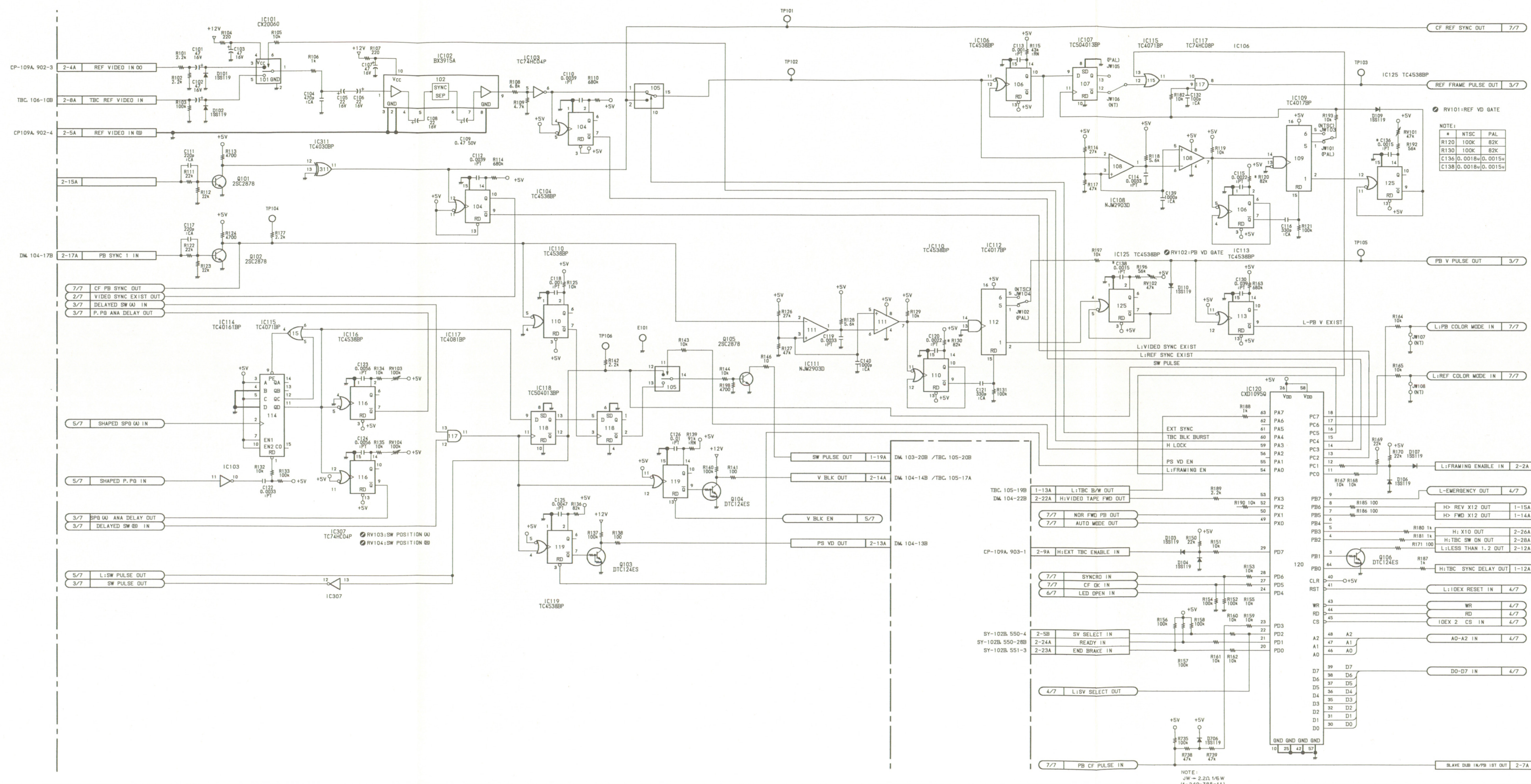
I-622-730-11(1)
BVU-900

SW-170B; AUDIO MONITOR SELECT/SELECT SWITCH/WARNING INDICATOR



SW-170B
1-622-737-12(1)
BVU-900

SV-88C(7/7); PAL model only, Not include in this manual.



SV-88C(1 / 7)

1-622-736-12(1)
BVU-900

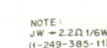


SV-88C(7/7); PAL model only, Not include in this manual.

SV-88C(3/7)
I-622-736-12(1)
BVU-900

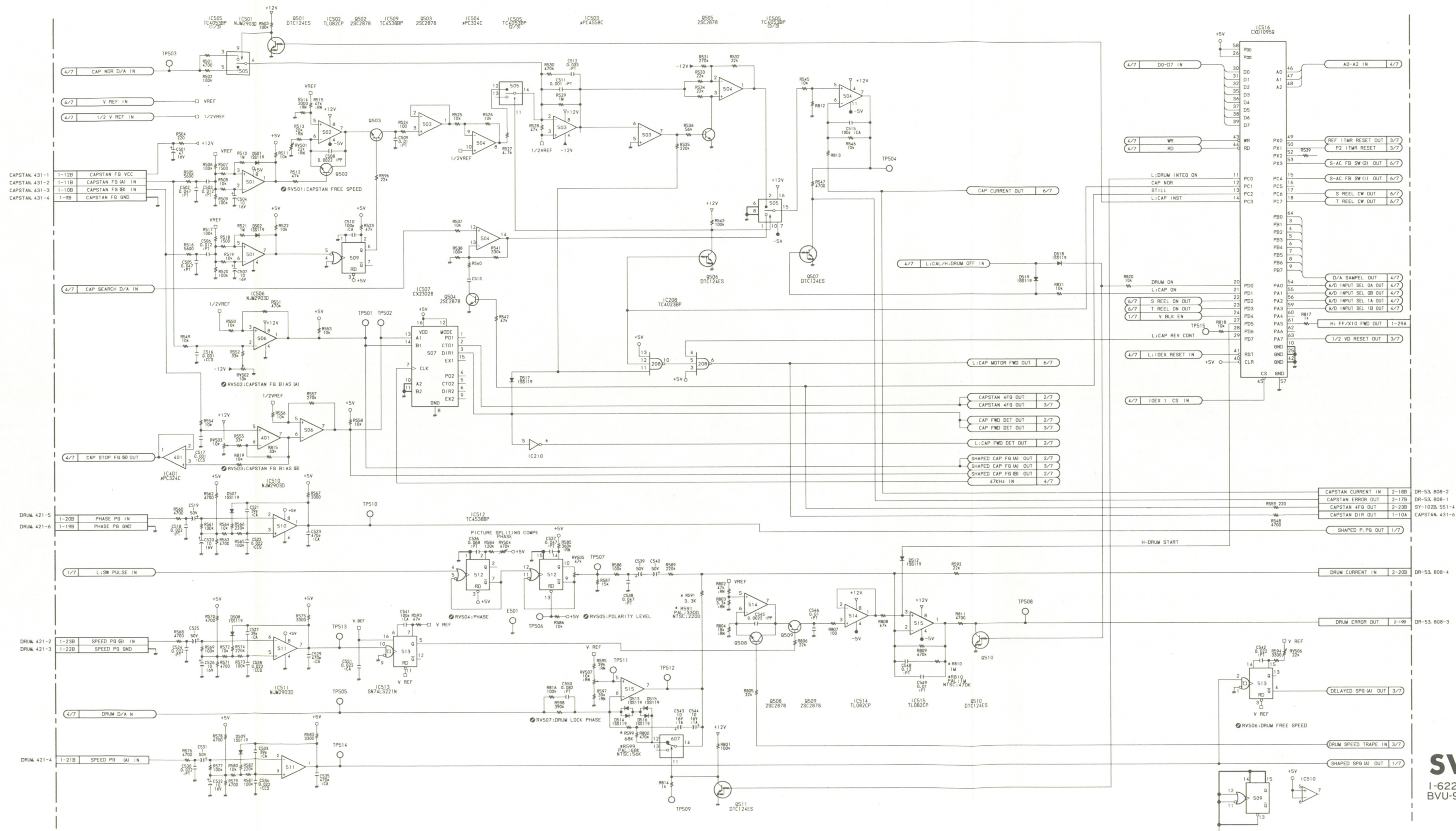
1-622-736-12(1)
BVU-900





1-622-736-12(1)
BVU-900

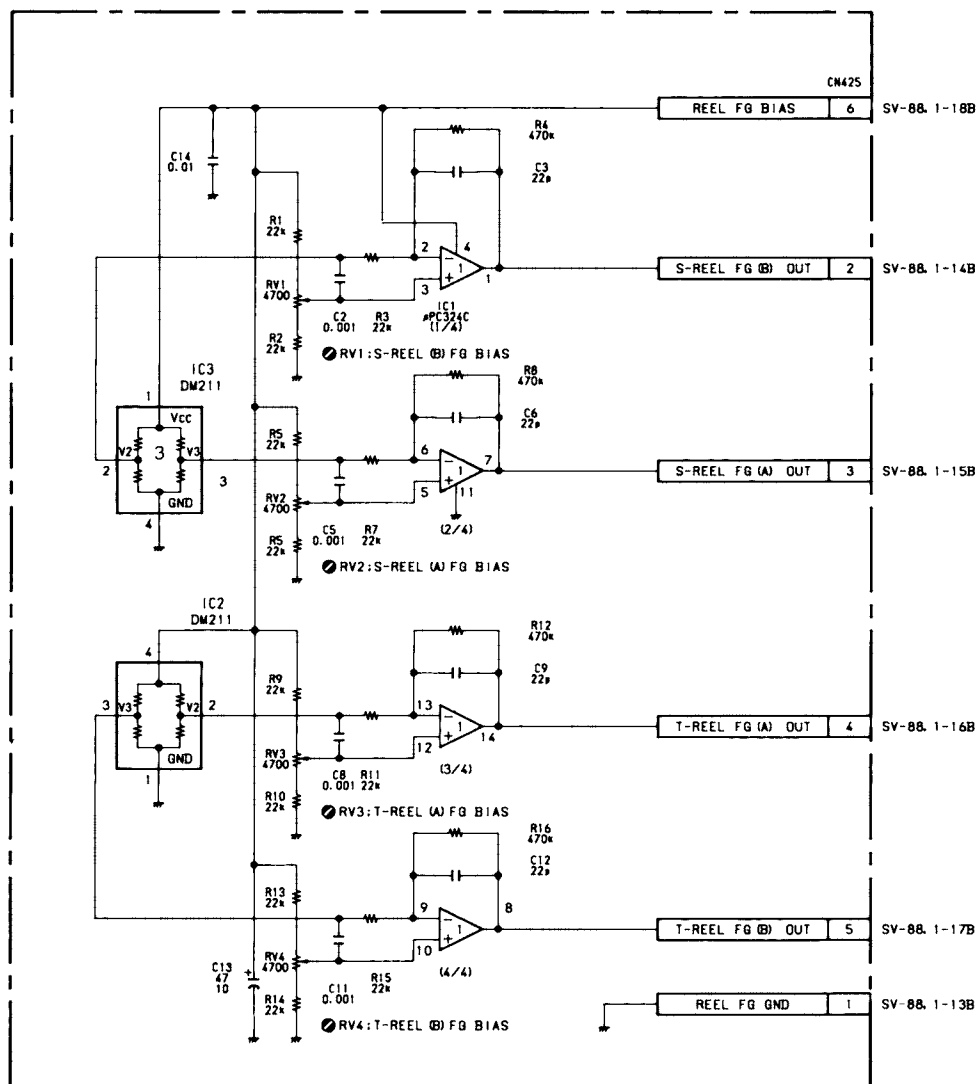
1-622-736-12(1)
BVU-900



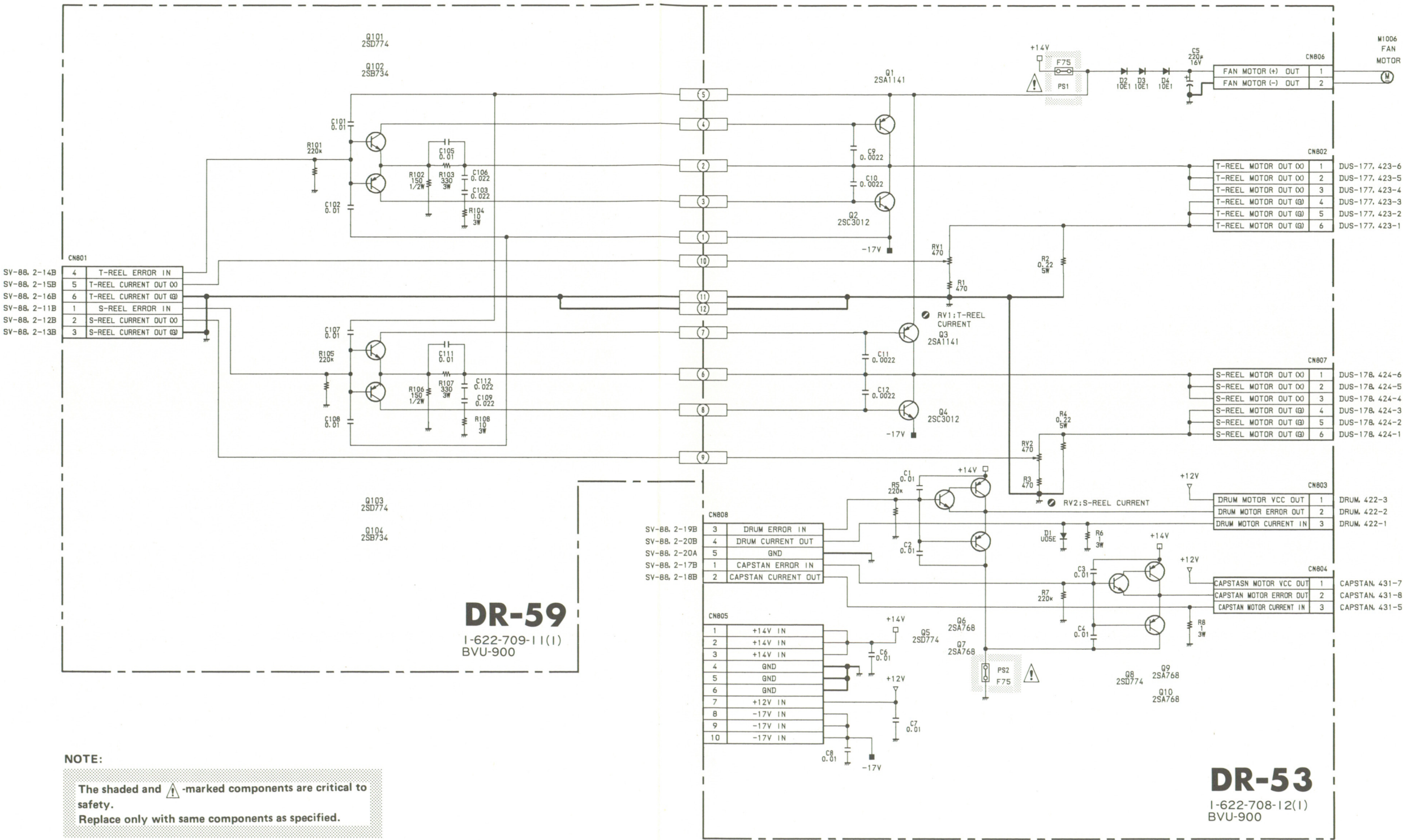
SV-88C(7/7); PAL model only, Not include in this manual.

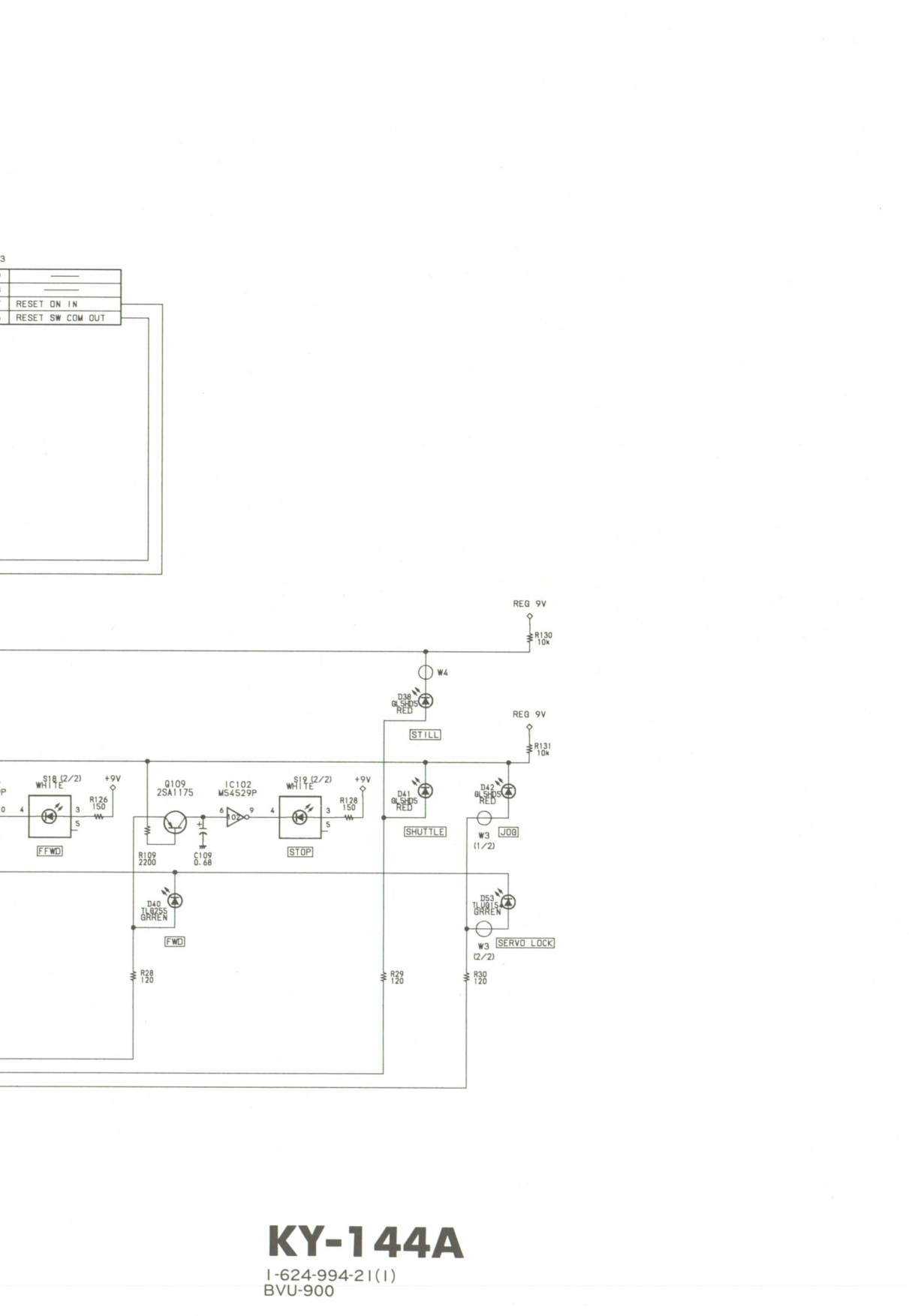
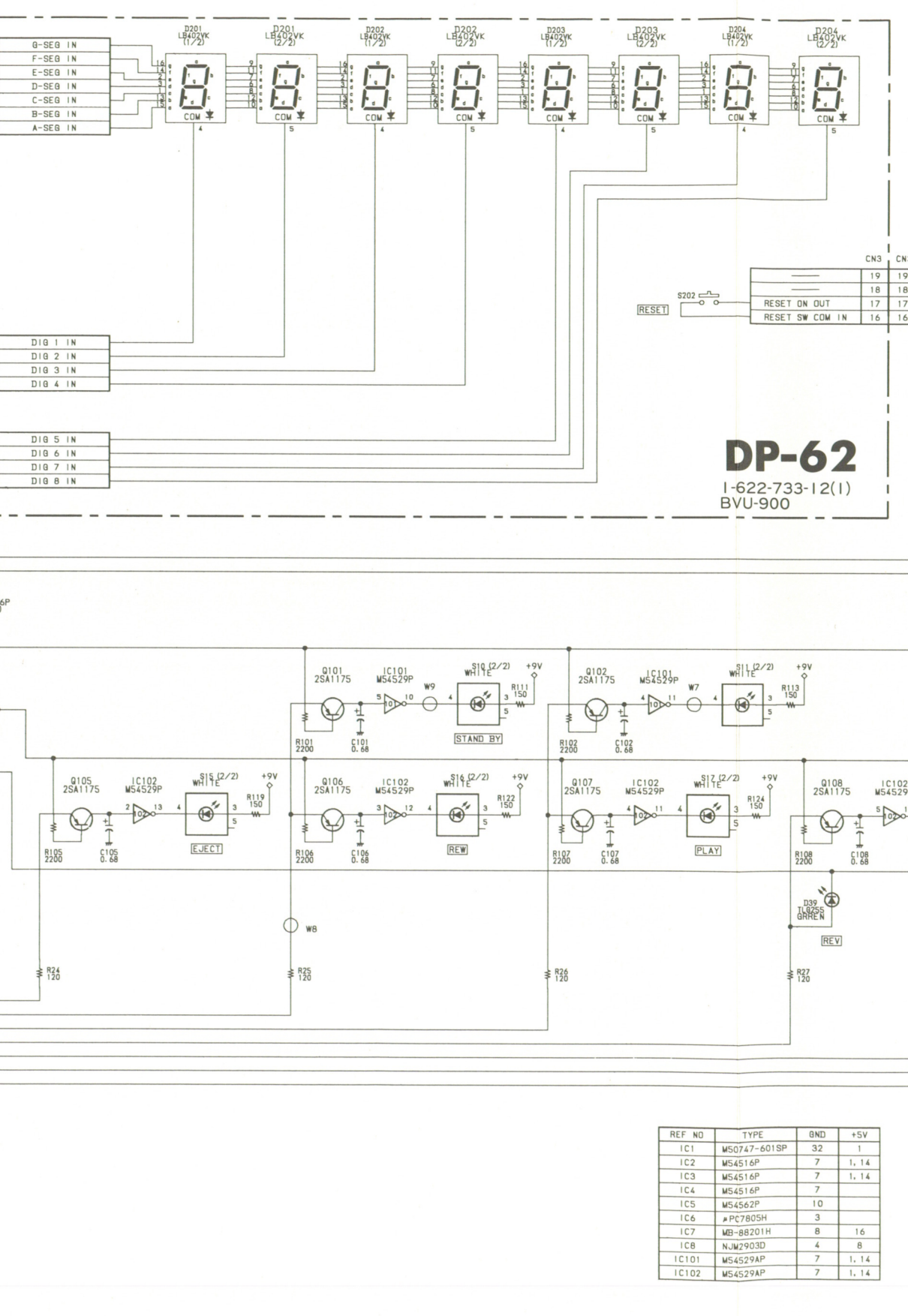
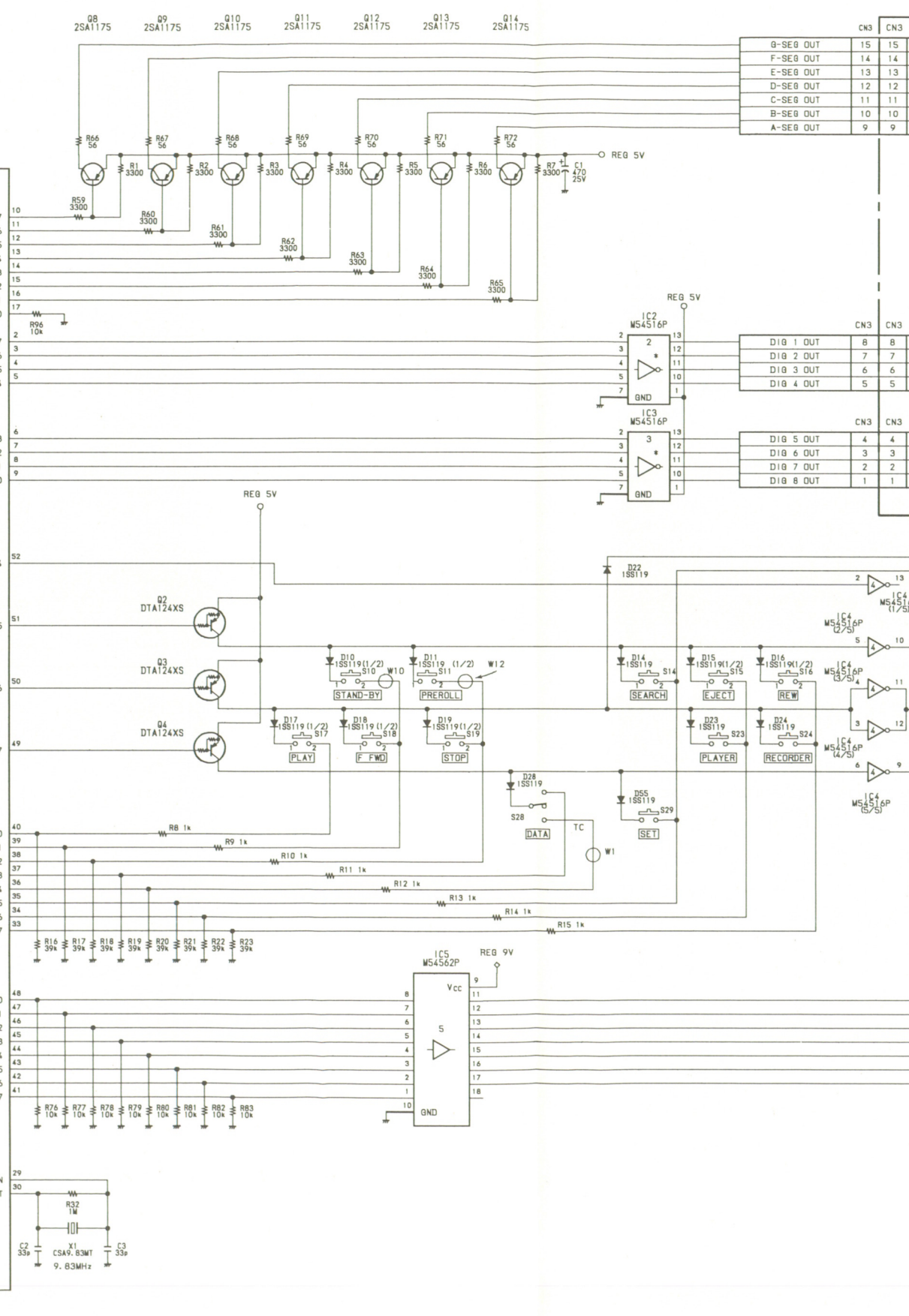
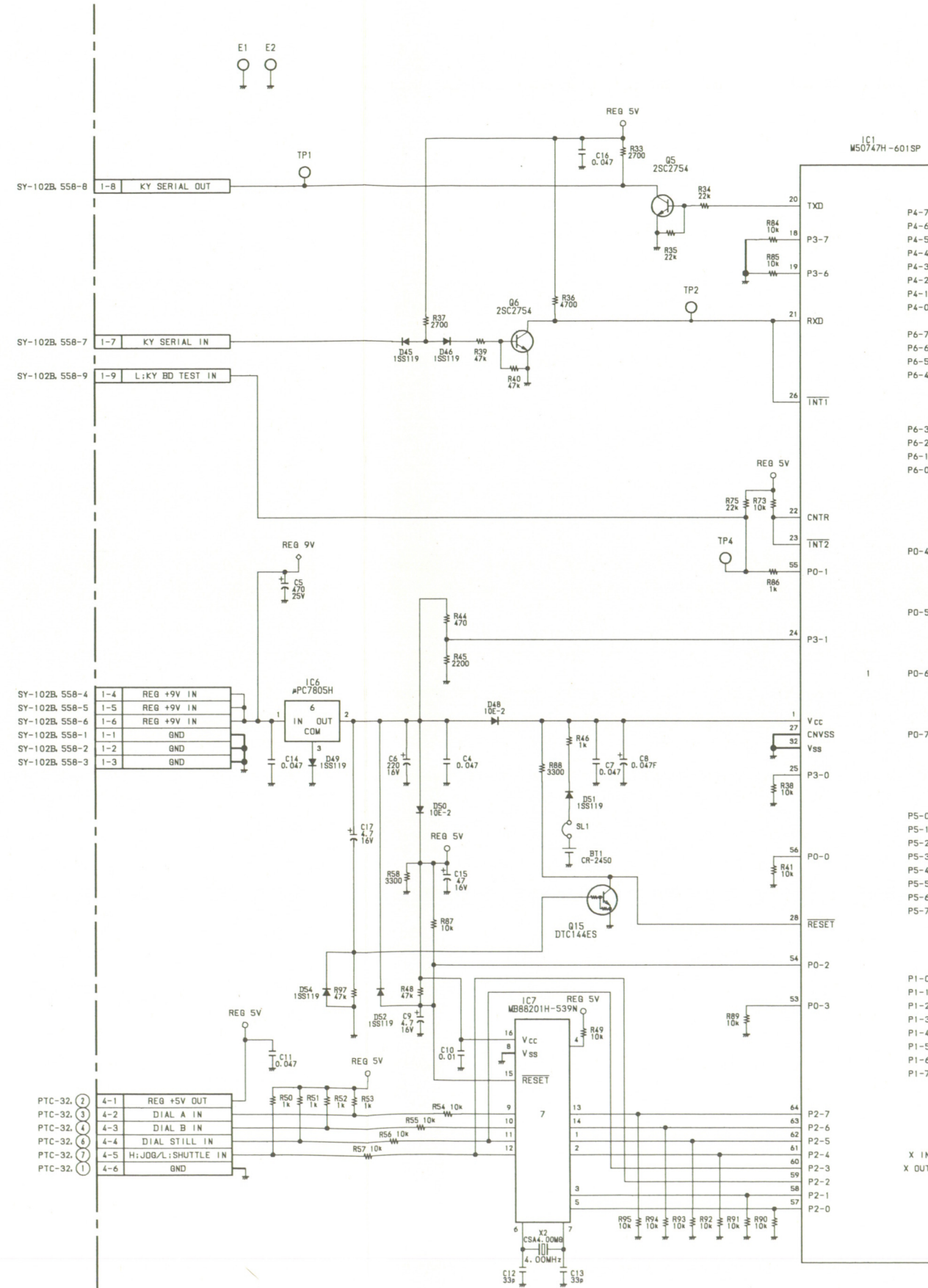


SE-48; REEL ROTATION DETECTOR

**SE-48**1-622-735-11(1)
BVU-900

DR-53; REEL/CAPSTAN/DRUM MOTOR DRIVE
DR-59; REEL MOTOR DRIVE

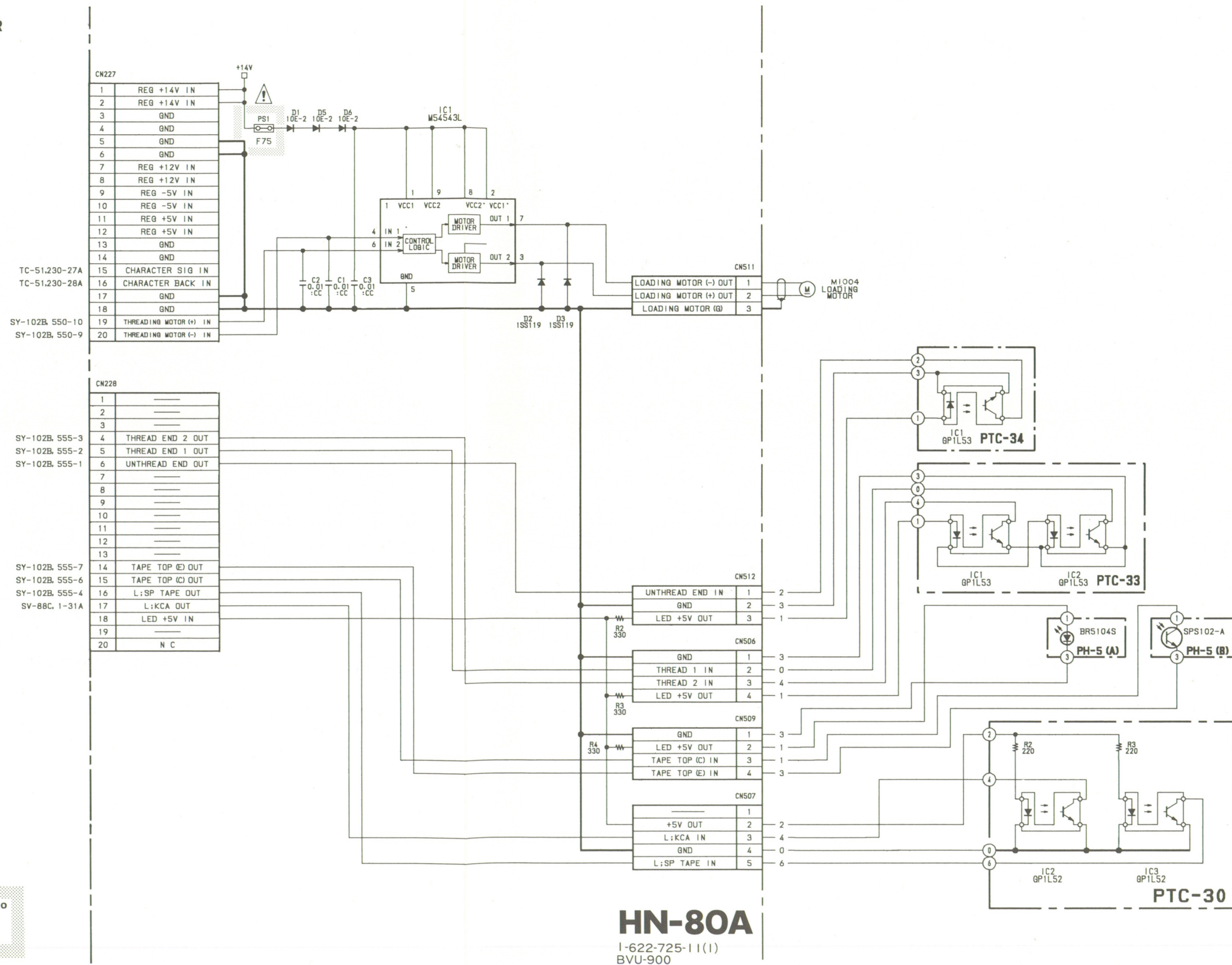




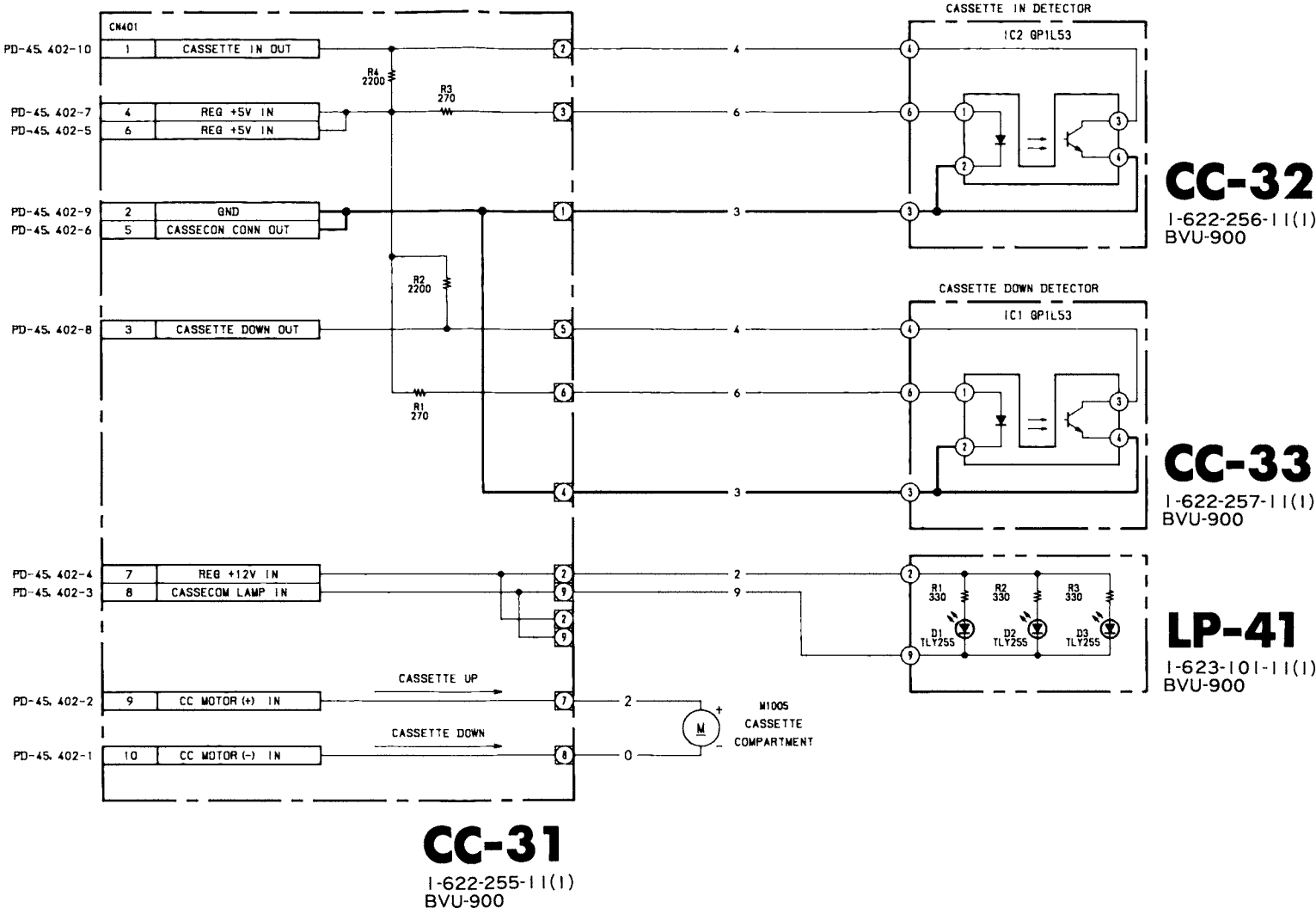
REF NO	TYPE	QTY	+5V
IC1	MS0747H-601SP	1	
IC2	MS4516P	7	1, 14
IC3	MS4516P	7	1, 14
IC4	MS4516P	7	
IC5	MS4529P	10	
IC6	PC7805H	3	
IC7	MB8201H-539N	8	16
IC8	NU2903D	4	8
IC101	MS4529AP	7	1, 14
IC102	MS4529AP	7	1, 14

KY-144A
I-624-994-2(1)
BVU-900

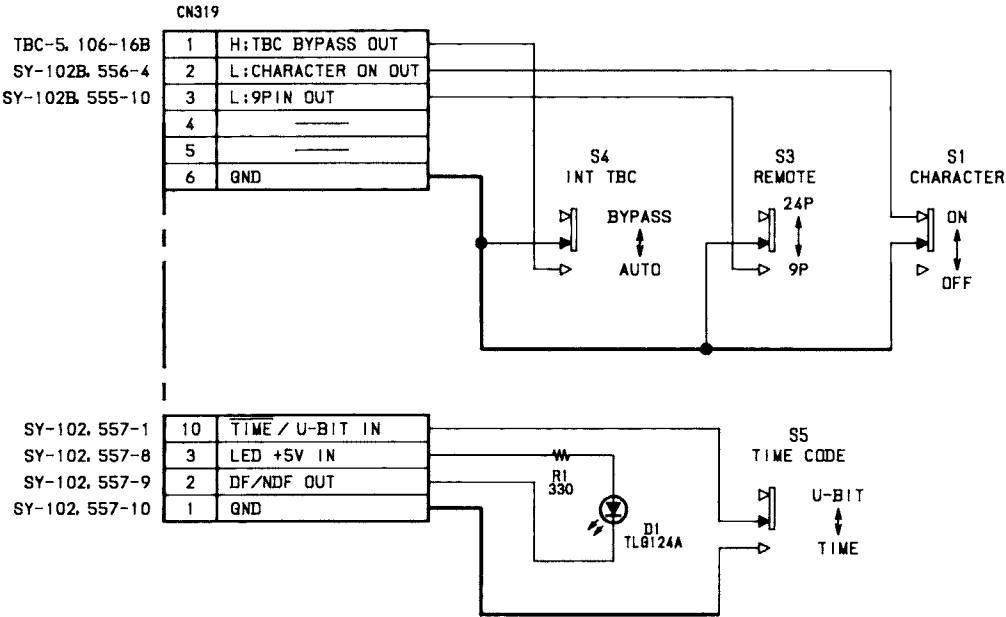
HN-80A; THREADING MOTOR DRIVER
 PH-5(A); TAPE TOP LED
 PH-5(B); TAPE TOP SENSOR
 PTC-30; SP,KCA DETECTOR
 PTC-33; FR STOP DETECTOR
 PTC-34; UNTHREAD END DETECTOR



CC-31; CASSETTE COMPARTMENT DRIVER
CC-32; CASSETTE IN DETECTOR
CC-33; CASSETTE DOWN DETECTOR
LP-41; CASSETTE COMPARTMENT LIGHT



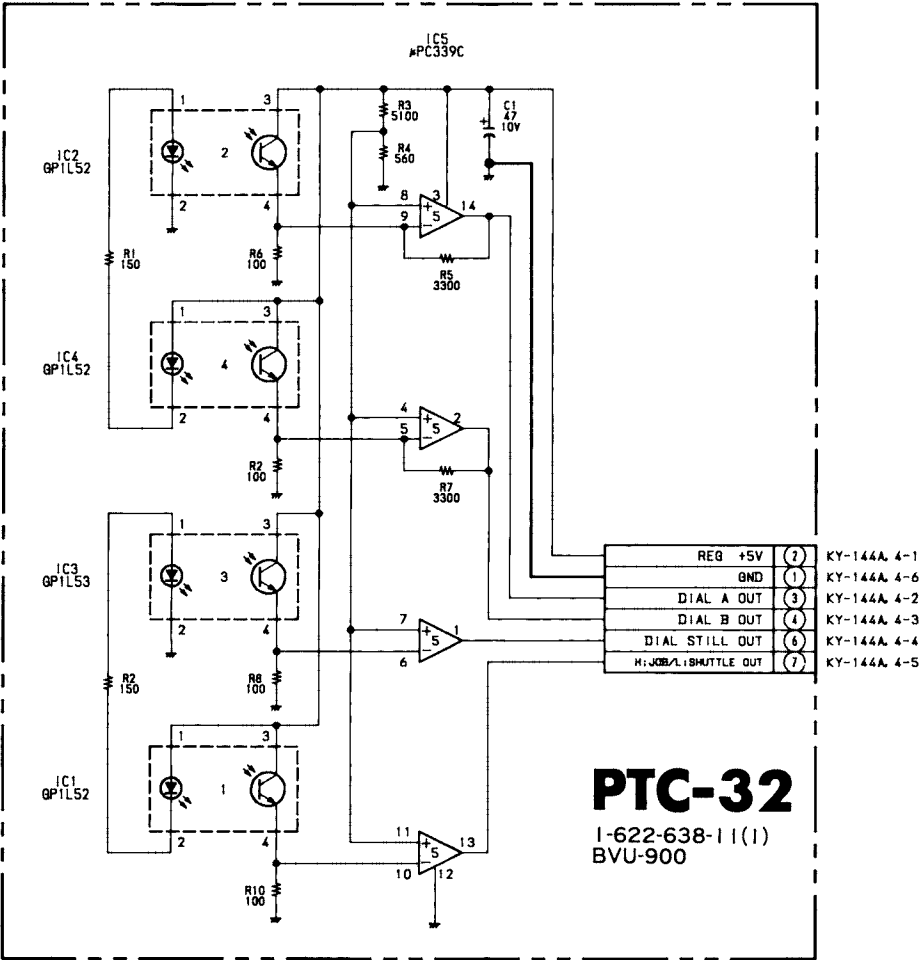
SW-290; TIME CODE CONTROL/SELECT SWITCH



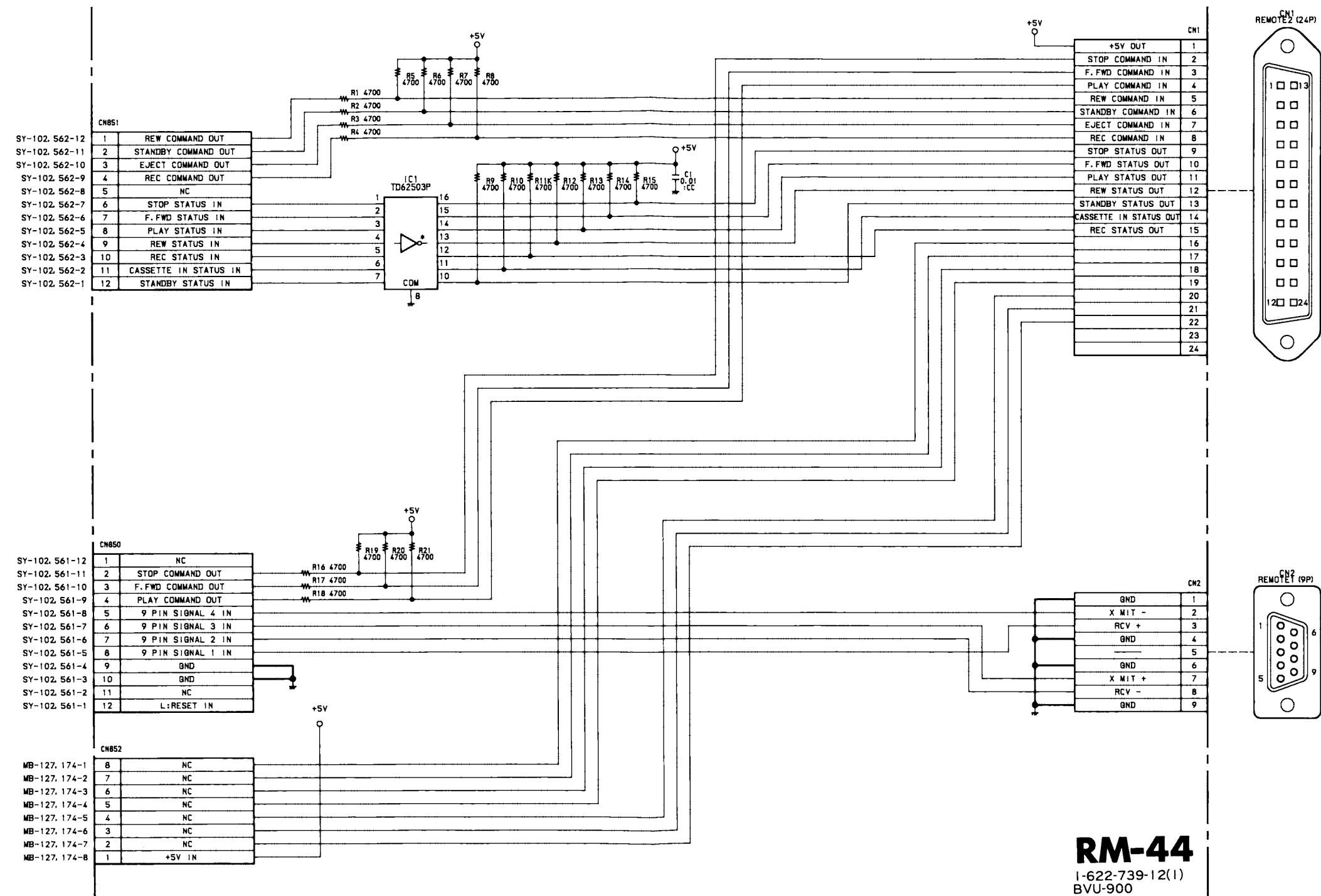
SW-290

1-622-680-11(1)
BVU-900

PTC-32; SEARCH DIAL



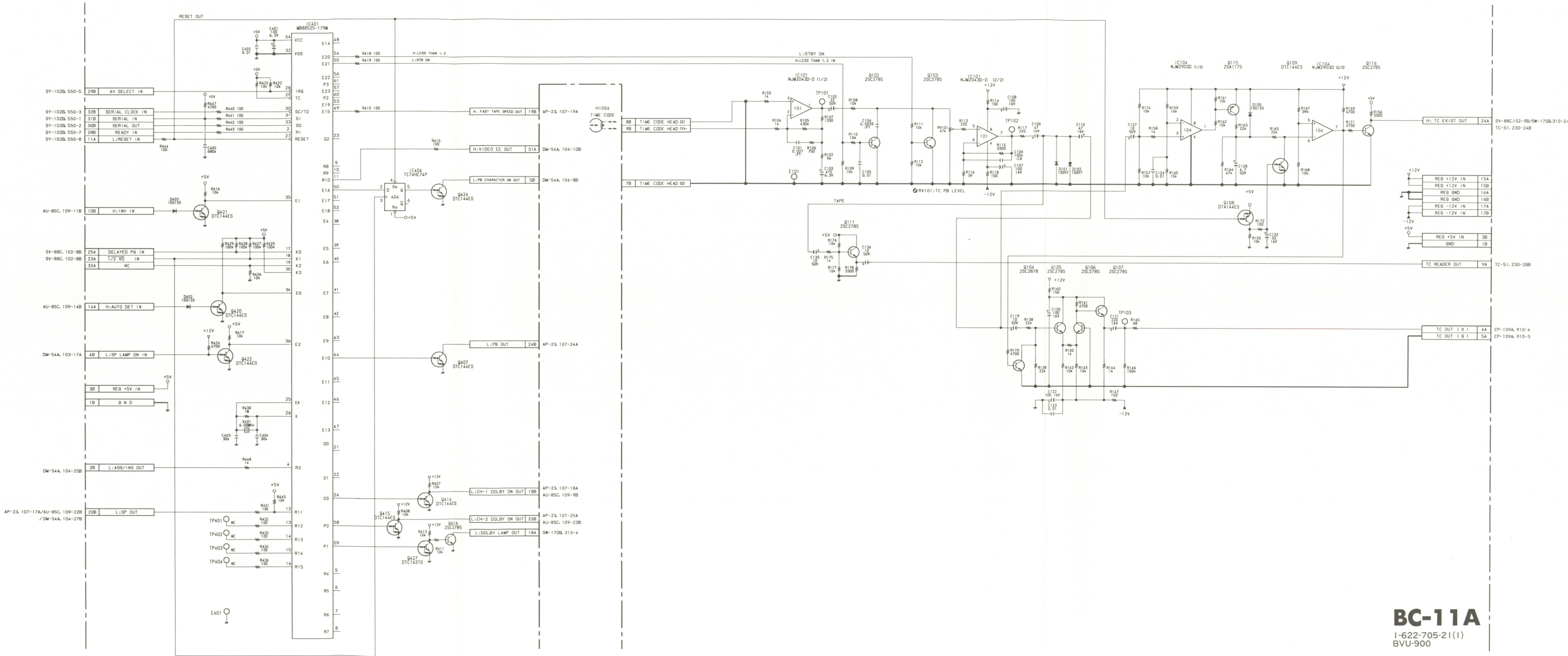
RM-44; REMOTE CONTROL(9PIN&24PIN)



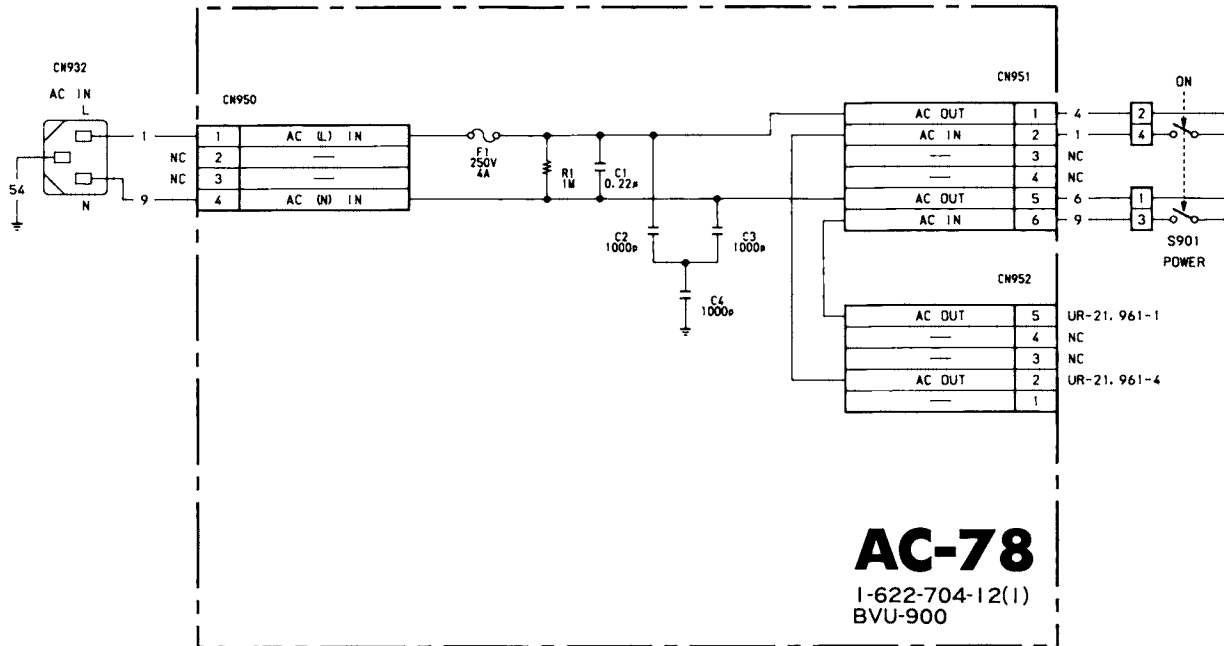
1-626-683-11(1)
BVU-900



BC-11A; VIDEO/AUDIO TIMING CONTROL
TIME CODE PB AMPLIFIER



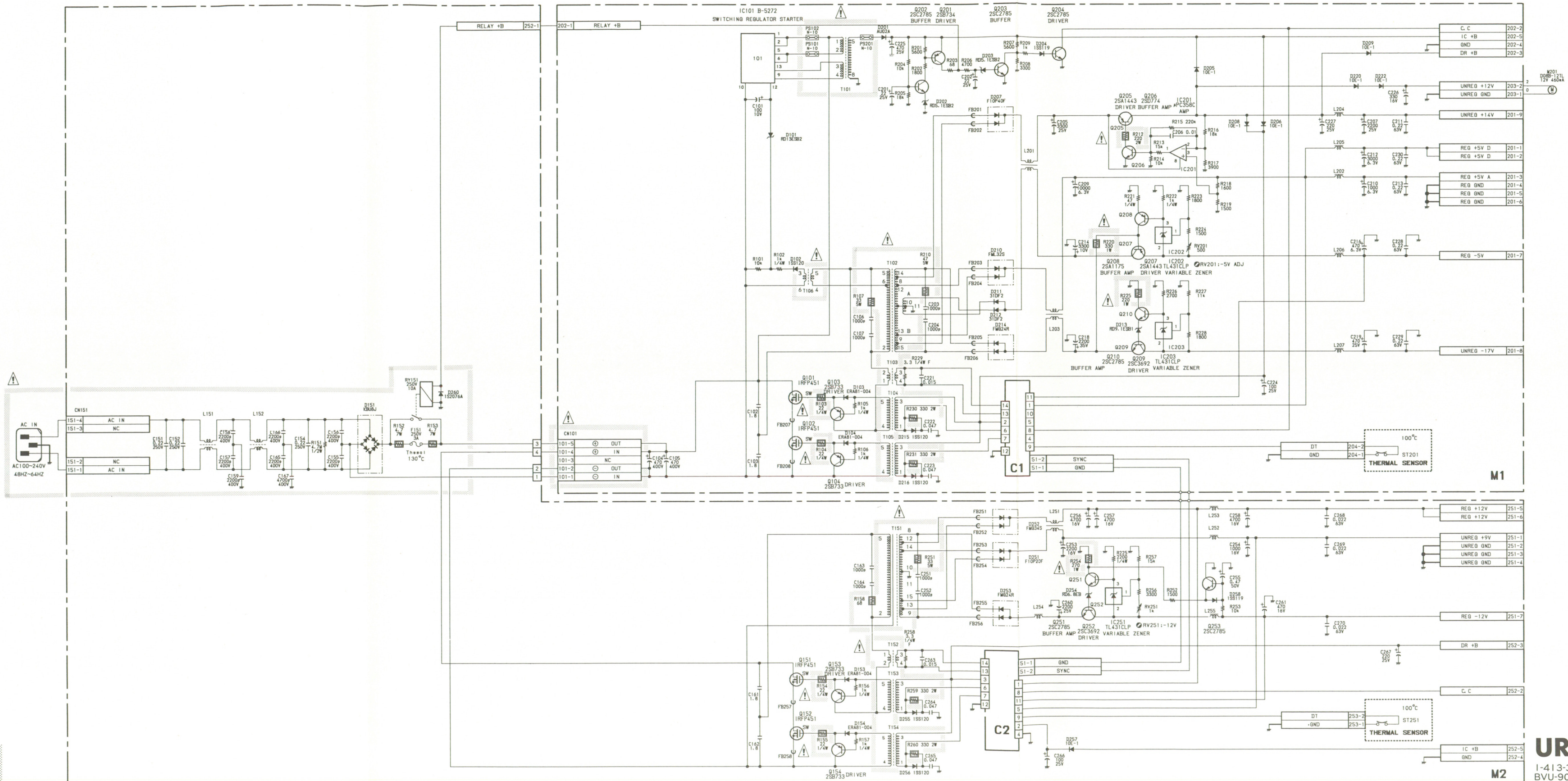
AC-78; AC PRIMARY CIRCUIT



NOTE:

The shaded and ⚠-marked components are critical to safety.
Replace only with same components as specified.

UR-21; SWITCHING REGULATOR
M1
M2



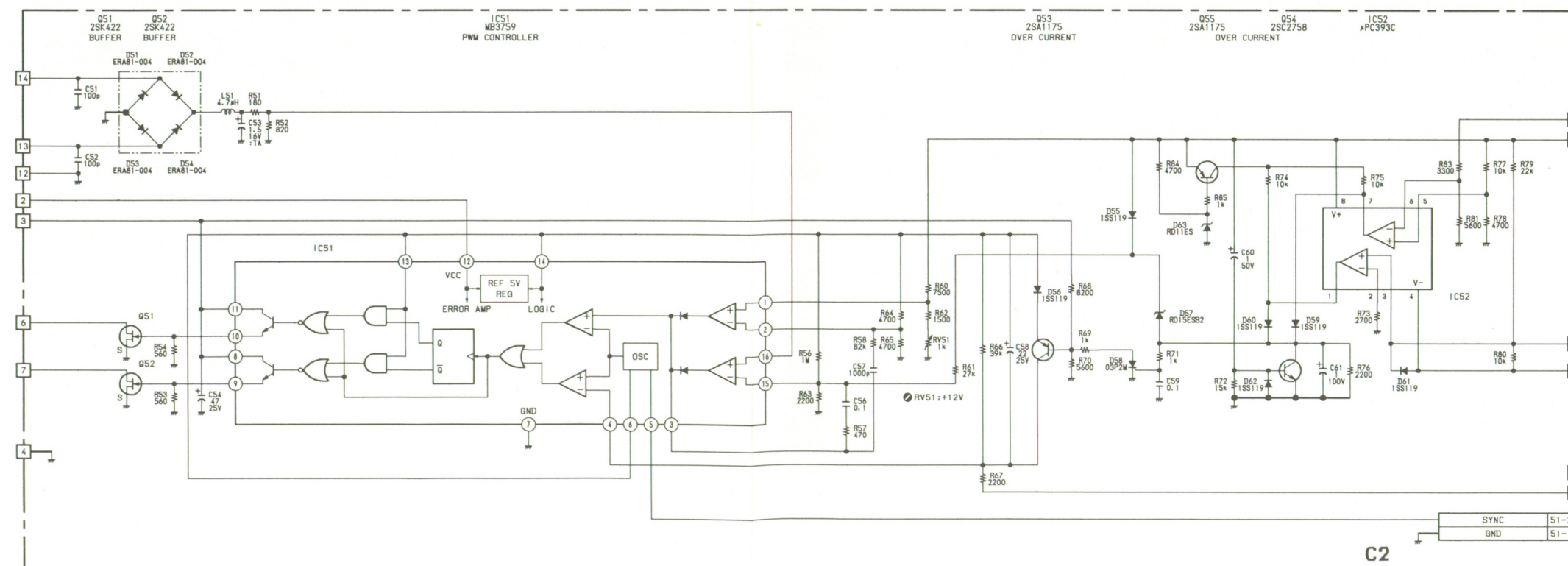
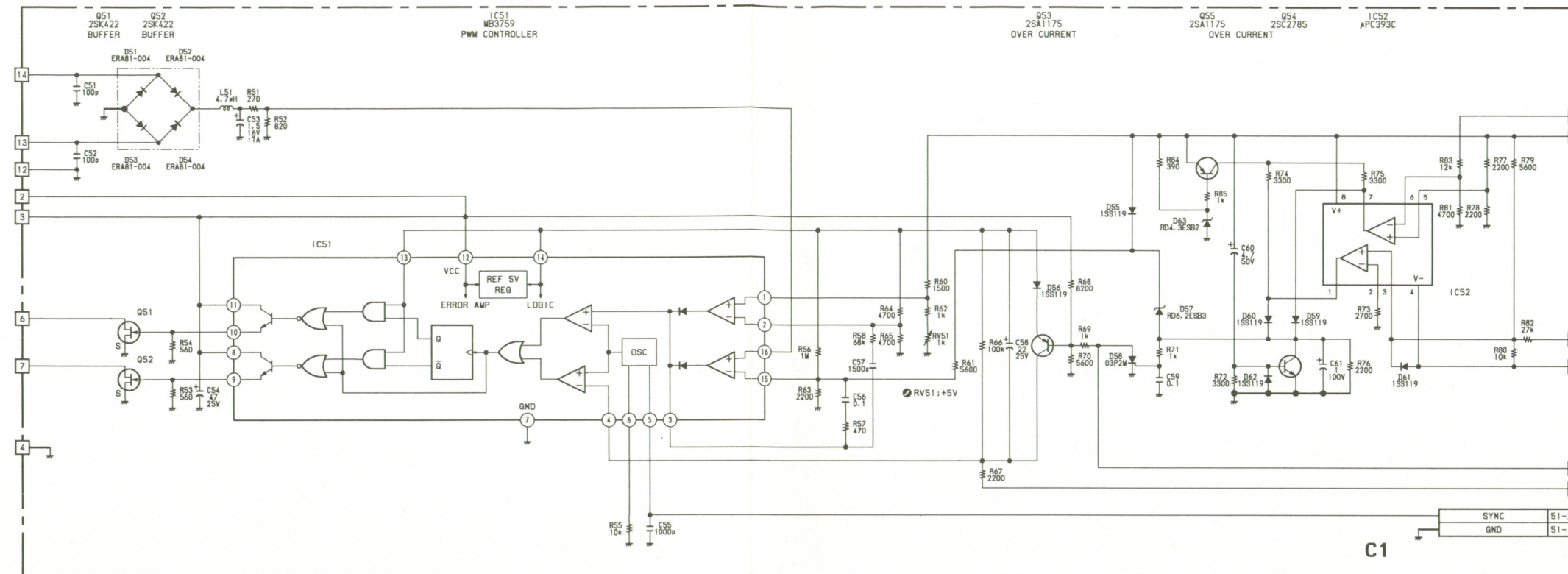
NOTE:
The shaded and ⚠-marked components are critical to safety.
Replace only with same components as specified.

UR-21(1/2)
I-413-307-13(1)
BVU-900

UR-21; SWITCHING REGULATOR

C1

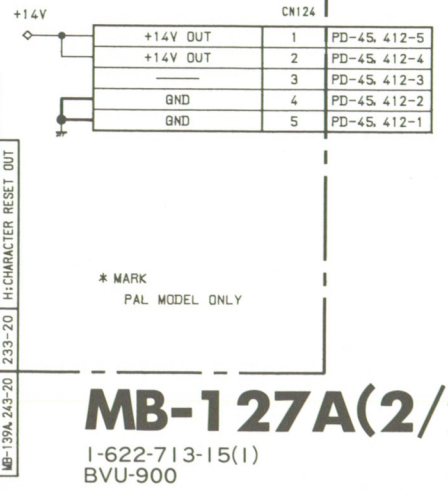
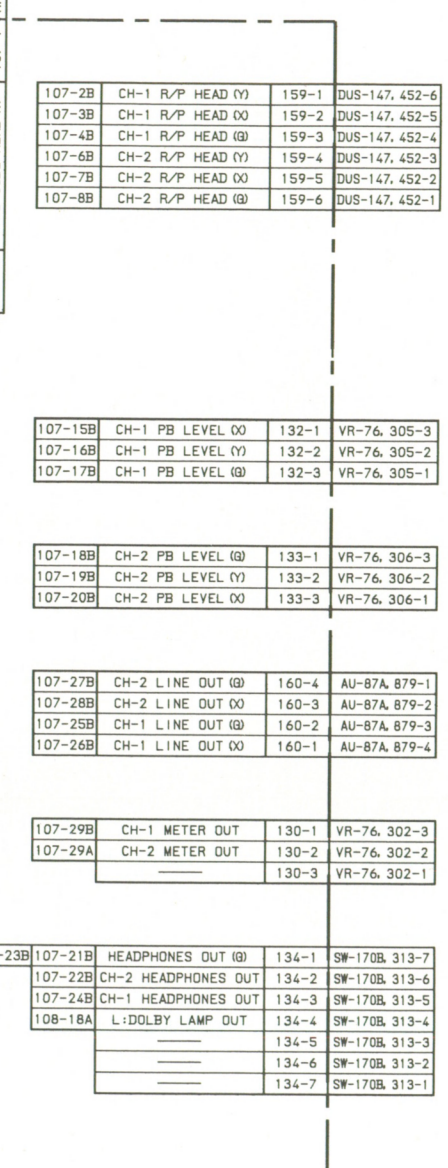
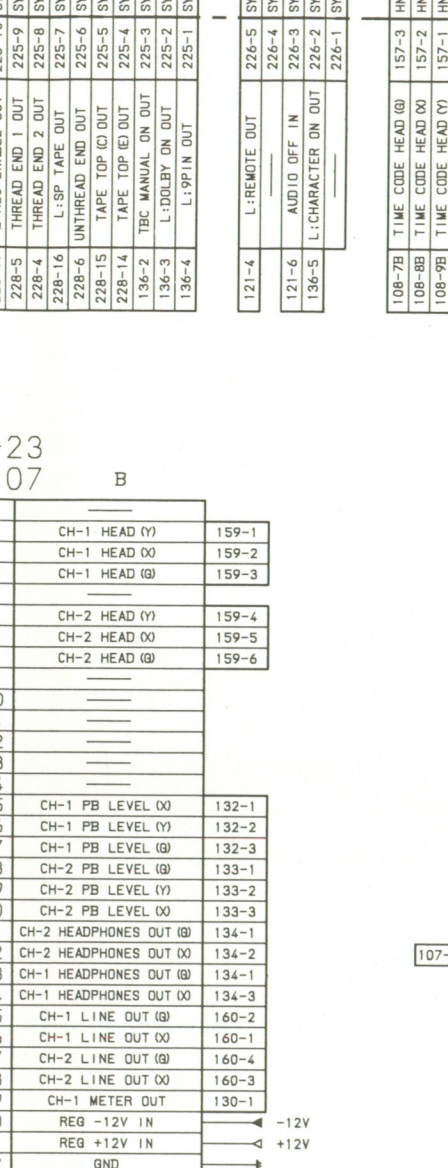
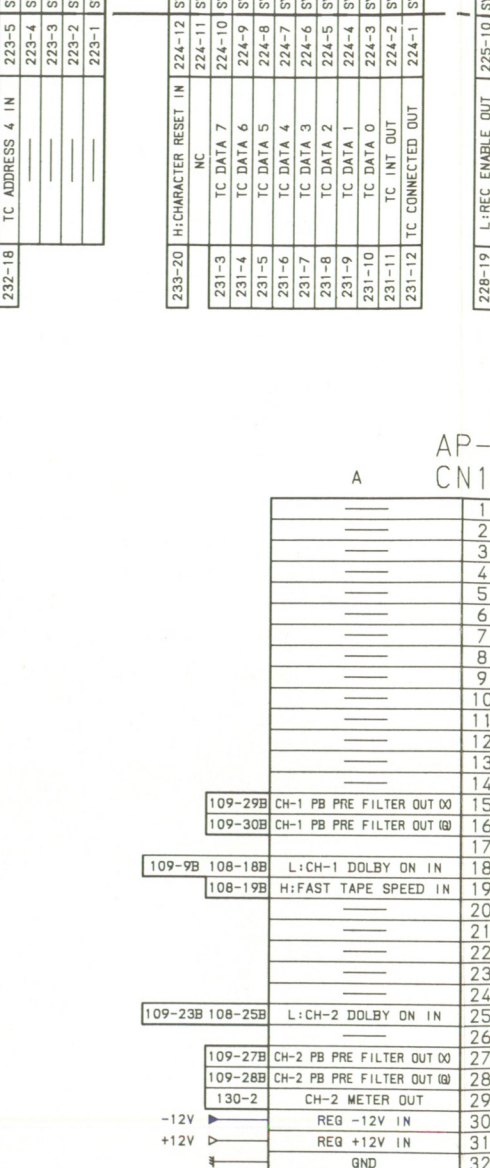
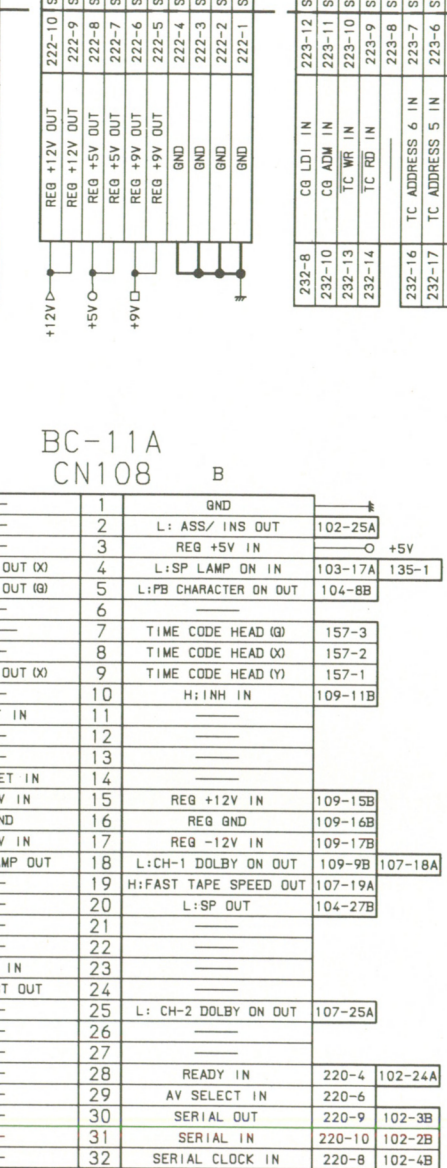
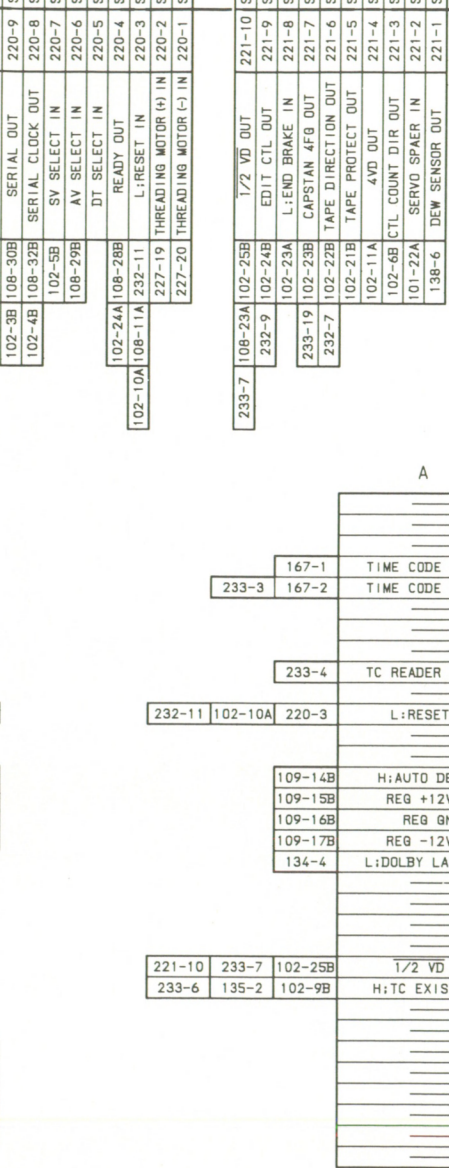
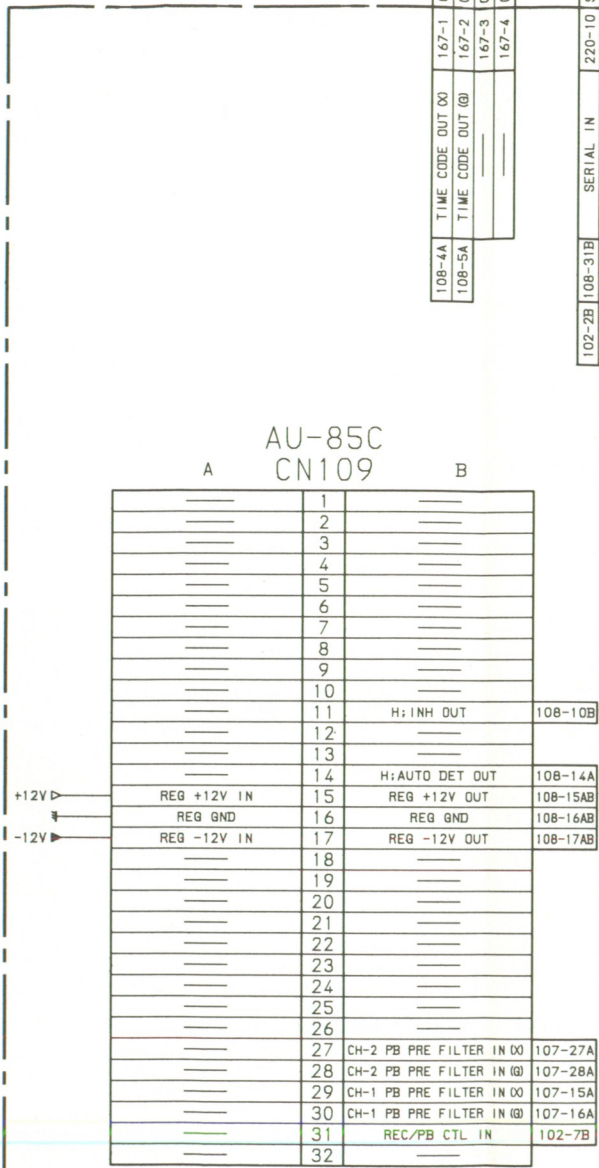
C2



UR-21(2/2)

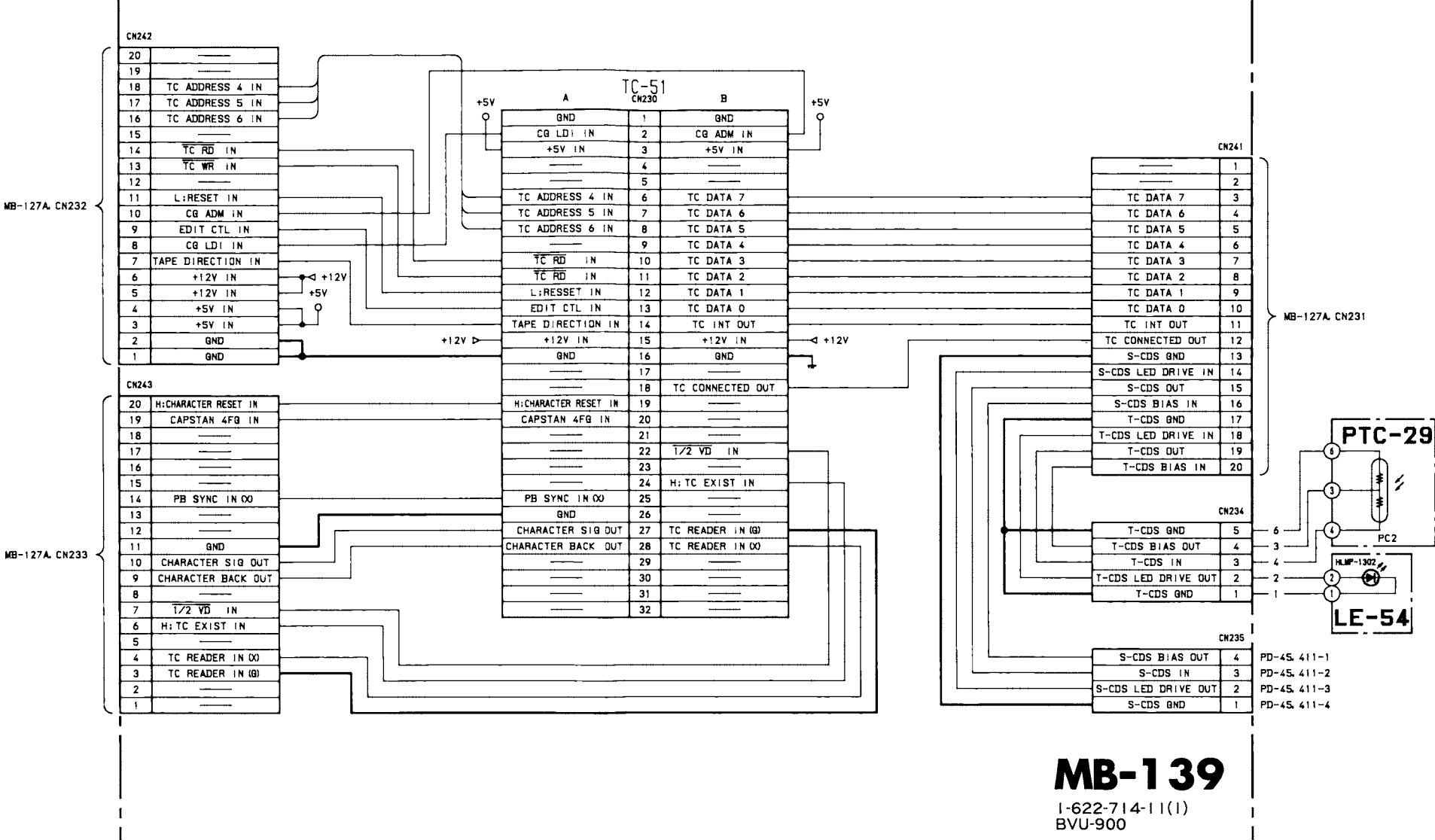
I-413-307-13(1)
BVU-900

MB-1 27A(1/2)
I-622-713-15(1)
BVU-900

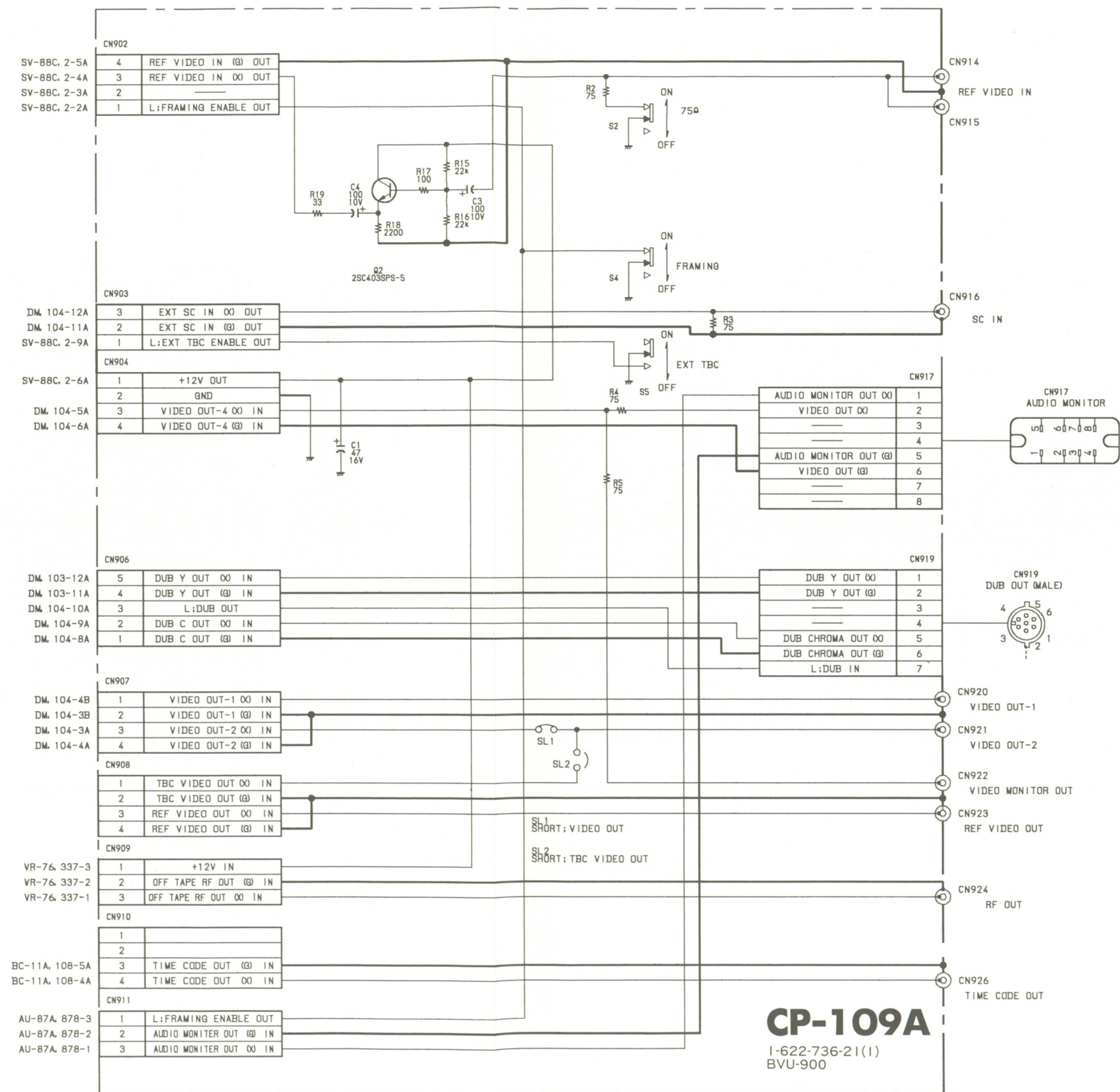


MB-127A(2/2)
1-622-713-15(1)
BVU-900

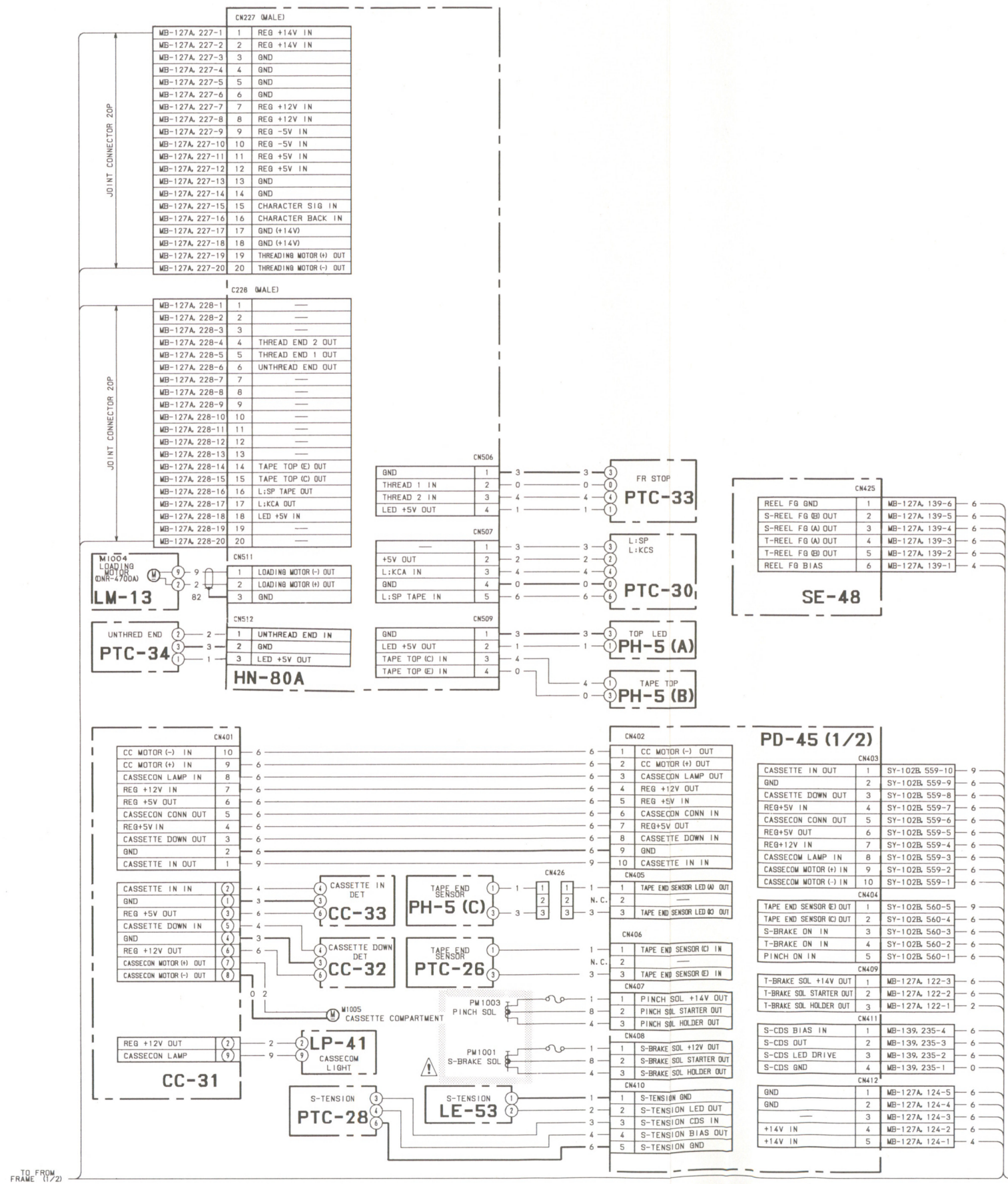
LE-54; T-TENSION LED
MB-139; SUB MOTHER FOR TC
PTC-29; T-TENSION Cds



CP109A; CONNECTOR PANNEL







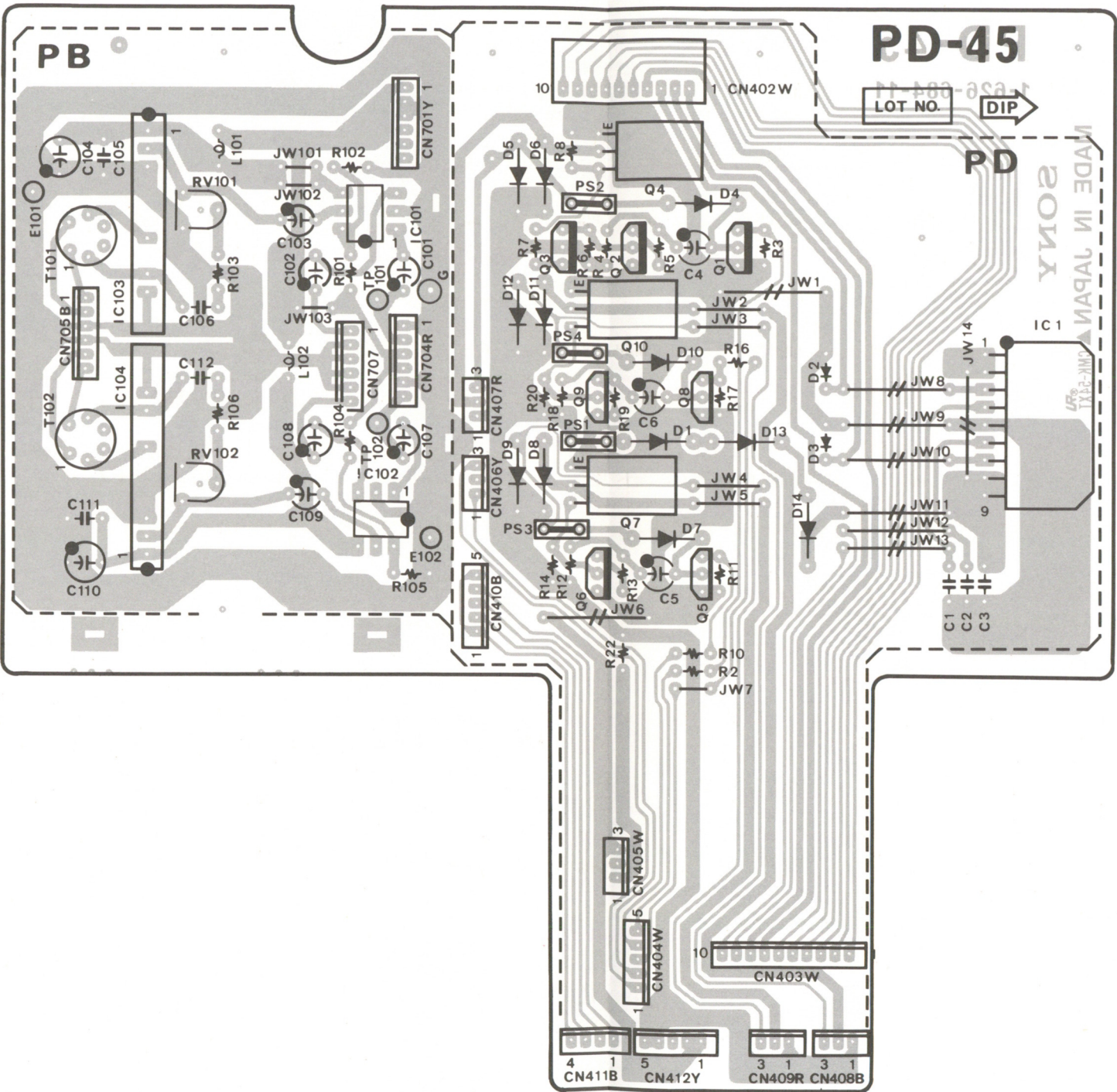
SECTION 17
PRINTED CIRCUIT BOARDS

The circuit information is provided below.

System	Board	Circuit function
VIDEO	PD-45 DM-54A	RF PB amplifier Y/C demodulator
AUDIO	AP-23 AU-85C AU-87A VR-76 MT-28 VR-49 HP-28 DUS-92 DUS-147 SW-170B	Audio PB/DOLBY processor DOLBY auto detector Output/monitor amplifier PB level control Level meter Headphones level control Headphones Audio head Junction board for audio head Audio monitor select
SERVO	SV-88C SE-48 DR-53 DR-59 PTC-28 LE-53 PTC-29 LE-54 DUS-177 DUS-178 VR-76	Drum/capstan/reel servo Reel rotation detector Motor driver for reel/capstan/drum Motor driver for reel S-tension CdS S-tension LED T-tension CdS T-tension LED T-reel motor S-reel motor Tracking control

System	Board	Circuit function
SYSCON	SY-102B KY-144A DP-62 BC-11A HN-80A LM-13 PD-45 CC-31 CC-32 CC-33 PTC-30 PTC-33 PTC-34 PH-5(A) PH-5(B) PH-5(C) PTC-26 SW-170B SW-290 PTC-32 RM-44	System control Function key board Display Video/audio timing control Threading motor driver Threading motor Cassette-up compartment motor driver/Solenoid driver Cassette compartment driver Cassette in detector Cassette down detector SP, KCA detector FR stop detector Unthread end detector Tape top LED Tape top sensor Tape end LED Tape end sensor Select switch /warning indicator Remote 1/2 Select /TBC ON/OFF /Character ON/OFF Search dial Remote control (9pin & 24pin)
TIME CODE	TC-51 BC-11A HN-84 SW-290	Time code/Character generator Time code PB amplifier Time code head Time code control Switch
POWER	AC-78 M1 M2 C1 C2	AC primary circuit } Switching Regulator (UR-21)
OTHERS	MB-127A MB-139 CP-109A RM-45 AC-78 EX-127 EX-128 HN-80A HN-83 LP-41 TBC-5 DUS-151	Mother board Sub mother for TC Connector pannel TBC remote control AC primary circuit Extention board for audio/time code Extention board for video/servo/TBC Relay board for video/tape sensor/thread motor drive Relay board for time code head Cassette compartment light Time base corrector (Option) Connection (Option)

PD-45; RF PB AMPLIFIER
CASSETTE-UP COMPARTMENT DRIVER
SOLENOID DRIVER

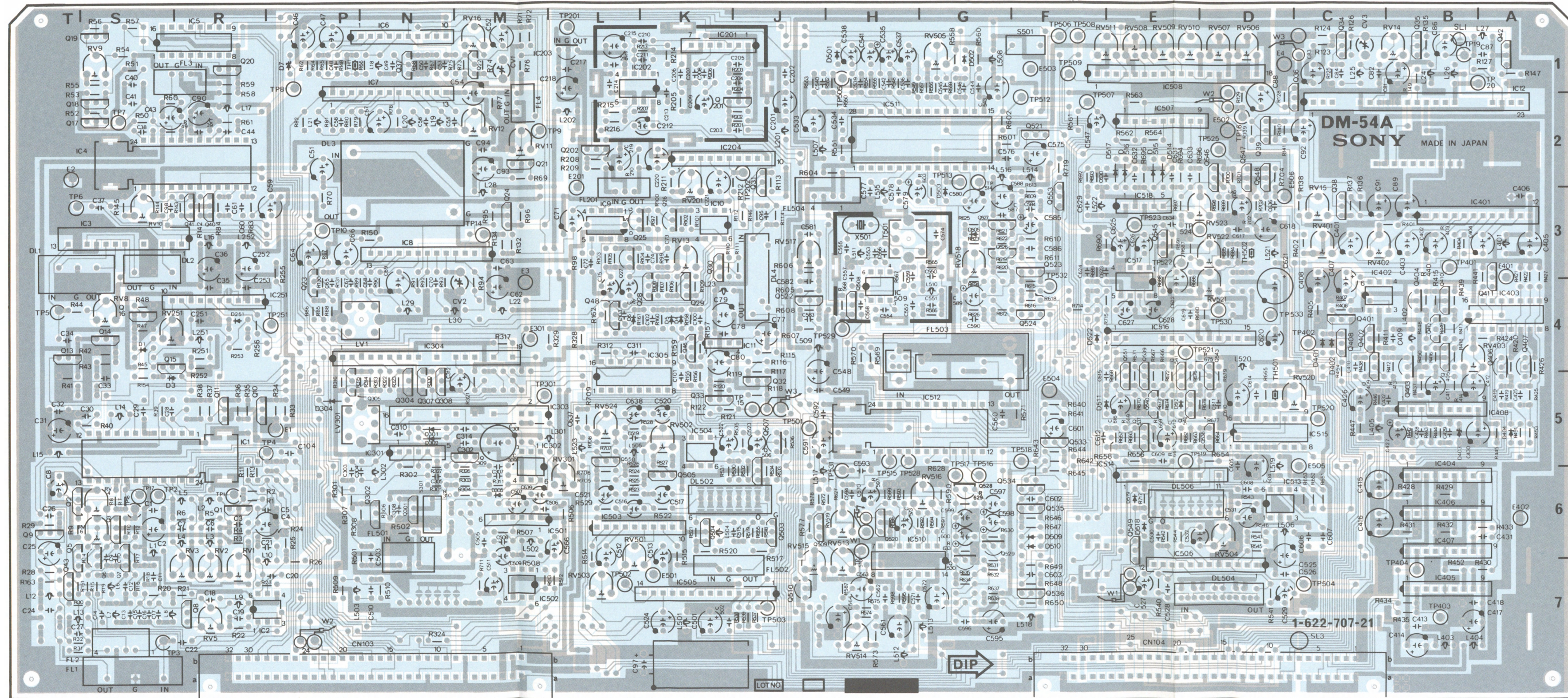


PD-45 —COMPONENT SIDE—
I-625-684-11(1)
BVU-900

DM-54A; Y/C DEMODULATOR

DM-54A(1-622-707-21)

CN103	P-7	E506	D-3	IC518	E-3	Q403	B-4	RV13	K-3	TP20	A-1
CN104	D-7					Q404	B-4	RV14	B-1	TP201	L-1
		FL1	S-7	LV1	N-4	Q405	B-4	RV15	C-3	TP202	J-2
CV1	M-1	FL2	S-7	LV301	P-5	Q406	A-4	RV16	M-1	TP251	P-4
CV2	M-4	FL3	R-1			Q407	A-4	RV201	K-2	TP301	M-5
CV3	C-1	FL4	M-2	Q1	R-6	Q408	C-4	RV251	S-4	TP401	B-3
		FL201	L-3	Q2	T-6	Q409	C-4	RV301	L-6	TP402	C-4
D1	S-4	FL501	N-6	Q3	S-6	Q410	B-4	RV401	C-3	TP403	B-7
D3	S-5	FL502	K-7	Q5	T-6	Q411	A-3	RV402	C-3	TP404	B-7
D4	K-4	FL503	G-4	Q6	S-6	Q412	B-4	RV403	B-4	TP501	J-5
D5	K-4	FL504	J-3	Q7	S-6	Q503	J-6	RV501	L-6	TP502	L-7
D6	L-4			Q8	R-7	Q504	K-6	RV502	K-5	TP503	J-7
D7	P-1	IC1	S-5	Q9	T-6	Q505	K-6	RV503	L-7	TP504	C-7
D251	R-4	IC2	R-7	Q10	R-5	Q506	J-5	RV504	D-6	TP505	H-1
D301	N-5	IC3	S-3	Q11	R-5	Q507	J-5	RV505	G-1	TP506	F-1
D302	N-5	IC4	S-2	Q13	T-4	Q508	H-4	RV506	D-1	TP507	F-2
D304	P-5	IC5	R-1	Q14	S-4	Q509	J-6	RV507	D-1	TP508	F-1
D305	M-6	IC6	N-1	Q15	S-4	Q510	J-7	RV508	E-1	TP509	F-1
D401	C-4	IC7	N-1	Q16	S-4	Q520	H-6	RV509	E-1	TP510	H-6
D402	C-4	IC8	N-3	Q17	S-2	Q521	F-2	RV510	E-1	TP512	F-2
D403	B-5	IC9	L-3	Q18	S-2	Q522	J-4	RV511	E-1	TP513	G-2
D404	A-5	IC10	K-3	Q19	S-1	Q523	F-3	RV513	H-7	TP514	G-2
D501	H-1	IC11	K-4	Q20	R-1	Q524	F-4	RV514	H-7	TP515	H-5
D502	G-1	IC12	B-2	Q21	M-2	Q526	G-3	RV515	J-7	TP516	G-6
D503	G-3	IC201	K-1	Q22	M-1	Q527	G-3	RV516	G-6	TP517	G-6
D505	G-3	IC202	L-1	Q23	P-3	Q528	G-6	RV517	J-3	TP518	F-5
D509	F-6	IC203	L-1	Q24	M-3	Q529	G-6	RV518	G-3	TP519	E-5
D510	F-6	IC204	K-2	Q25	L-3	Q530	G-7	RV519	H-6	TP520	C-5
D511	E-5	IC251	R-4	Q26	K-3	Q533	F-5	RV520	C-5	TP521	E-4
D512	E-5	IC301	N-5	Q27	L-3	Q534	F-6	RV521	D-4	TP522	E-3
D514	E-2	IC302	M-5	Q28	K-4	Q535	F-6	RV522	D-3	TP523	E-3
D515	E-2	IC303	M-5	Q29	K-4	Q536	F-7	RV523	D-3	TP524	E-3
D516	E-2	IC304	N-4	Q30	K-3	Q537	D-5	RV524	L-5	TP525	D-2
D517	E-2	IC305	L-5	Q31	J-2	Q538	E-5			TP528	H-5
D518	E-6	IC401	B-3	Q32	J-5	Q539	E-4	S301	N-6	TP529	H-4
D519	E-6	IC402	C-4	Q33	K-5	Q540	E-5	S501	F-1	TP530	D-4
D522	F-4	IC403	A-4	Q34	C-1	Q541	E-4			TP531	H-6
		IC404	B-6	Q35	B-1	Q542	E-5	T501	H-3	TP532	F-4
DL1	T-3	IC405	B-7	Q36	C-2	Q543	D-4			TP533	D-4
DL2	S-3	IC406	B-6	Q37	N-1	Q545	E-3	TP1	R-6		
DL3	N-2	IC407	B-6	Q38	C-3	Q546	D-2	TP2	S-6	X501	H-3
DL4	J-3	IC408	B-5	Q39	D-2	Q547	D-2	TP3	S-7		
DL502	K-6	IC501	M-6	Q40	R-3	Q548	D-2	TP4	R-5		
DL504	D-7	IC502	M-7	Q41	R-3	Q549	E-6	TP5	T-4		
DL506	E-6	IC503	L-6	Q42	A-1	Q550	L-5	TP6	T-3		
		IC504	K-5	Q43	T-7	Q551	E-4	TP7	S-2		
E1	P-5	IC505	K-7	Q46	K-4	Q553	F-3	TP8	P-1		
E2	T-2	IC506	D-7	Q48	L-4			TP9	M-2		
E3	M-3	IC507	E-2	Q201	J-2	RV1	R-7	TP10	P-3		
E4	D-1	IC508	E-1	Q202	L-2	RV2	R-7	TP14	M-3		
E201	L-2	IC509	H-4	Q301	N-6	RV3	S-7	TP15	J-5		
E301	M-4	IC510	H-6	Q302	N-6	RV4	S-6	TP16	D-2		
E401	A-3	IC511	G-2	Q304	N-5	RV5	R-7	TP17	S-6		
E402	A-6	IC512	H-5	Q305	P-5	RV6	S-6	TP18	S-6		
E501	K-7	IC513	D-6	Q307	N-5	RV8	S-4	TP19	B-1		
E502	D-2	IC514	E-6	Q308	N-5	RV9	S-1				
E503	F-1	IC515	D-5	Q309	M-5	RV10	S-3				
E504	F-5	IC516	E-4	Q401	C-4	RV11	M-2				
E505	C-5	IC517	E-4	Q402	C-4	RV12	M-2				



AP-23; AUDIO PB/DOLBY PROCESSOR

AP-23(1-626-681-11)

CP1	A-5	T1	C-7
CP2	D-5	T2	F-7

D1	A-7	TP1	A-2
D2	A-7	TP2	A-6
D3	A-7	TP3	C-5
D4	C-7	TP4	C-5
D101	E-7	TP5	B-6
D102	D-7	TP6	C-5
D103	D-7	TP7	B-7
D104	F-7	TP101	C-2
D201	G-2	TP102	D-6
D202	G-3	TP103	F-5
D203	F-2	TP104	F-5

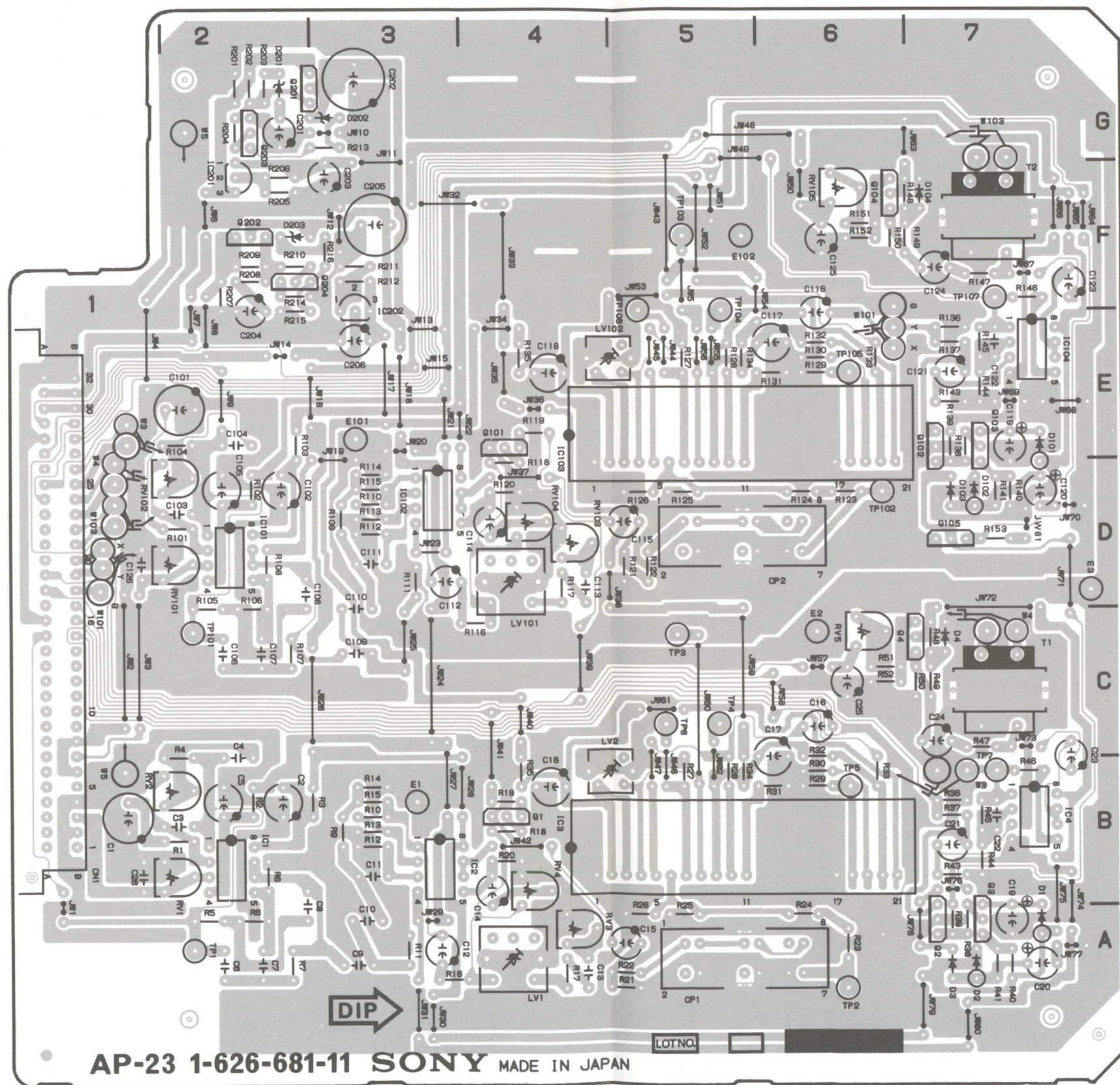
E1	B-3	TP105	E-6
E2	C-6	TP106	F-5
E3	D-7	TP107	F-7
E101	E-3		
E102	F-5		

IC1	B-2
IC2	B-3
IC3	B-5
IC4	B-7
IC101	D-2
IC102	D-3
IC103	E-5
IC104	E-7
IC201	F-2
IC202	F-3

LV1	A-4
LV2	B-4
LV101	D-4
LV102	E-4

Q1	B-4
Q2	A-7
Q3	A-7
Q4	C-7
Q101	E-4
Q102	E-7
Q103	E-7
Q104	F-6
Q105	D-7
Q201	G-2
Q202	F-2
Q203	G-2
Q204	F-2

RV1	B-2
RV2	B-1
RV3	A-4
RV4	B-4
RV5	C-6
RV101	D-2
RV102	D-2
RV103	D-4
RV104	D-4
RV105	F-6



AP-23 1-626-681-11 SONY MADE IN JAPAN

AP-23 — COMPONENT SIDE —
1-626-681-11(1)
BVU-900

AU-85C; DOLBY AUTO DETECTOR

AU-85C(1-622-702-31)

D1 E-4
D2 E-4
D3 B-5
D4 C-4
D5 C-4
D12 C-5
D13 B-4
D14 B-4

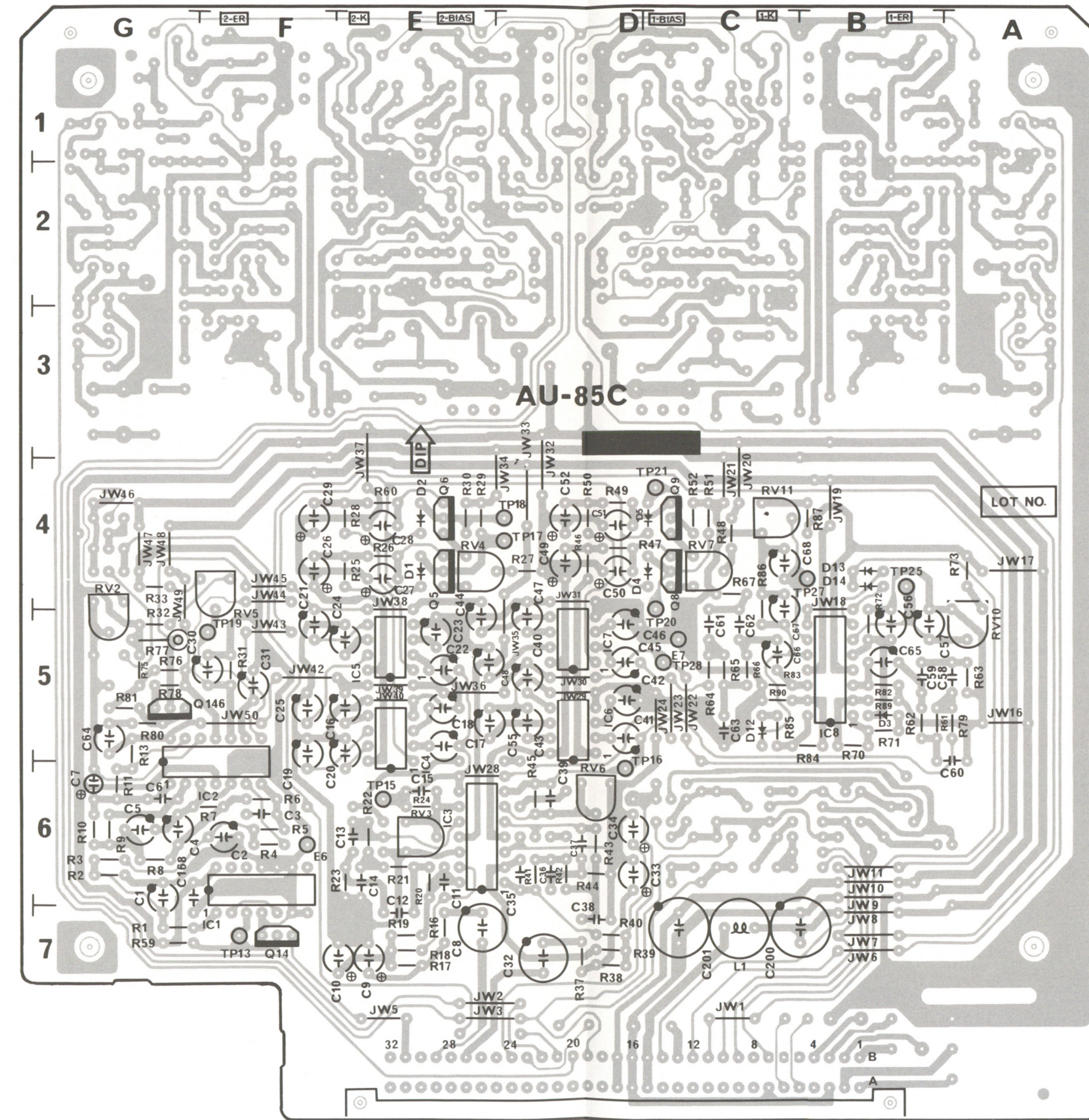
E6 F-6
E7 C-5

IC1 F-6
IC2 F-6
IC3 E-6
IC4 E-5
IC5 E-5
IC6 D-5
IC7 D-5
IC8 B-5

Q5 E-4
Q6 E-4
Q8 C-4
Q9 C-4
Q14 F-7
Q146 G-5

RV2 G-5
RV3 E-6
RV4 E-4
RV5 F-4
RV6 D-6
RV7 C-4
RV10 A-5
RV11 C-4

TP13 F-7
TP15 E-6
TP16 D-6
TP17 D-4
TP18 D-4
TP19 F-5
TP20 C-4
TP21 C-4
TP25 B-4
TP27 B-4
TP28 C-5



AU-85C —COMPONENT SIDE—
1-622-702-31(1)
BVU-900

AU-87A; OUTPUT/MONITOR AMPLIFIER

AU-87A(1-622-703-21)

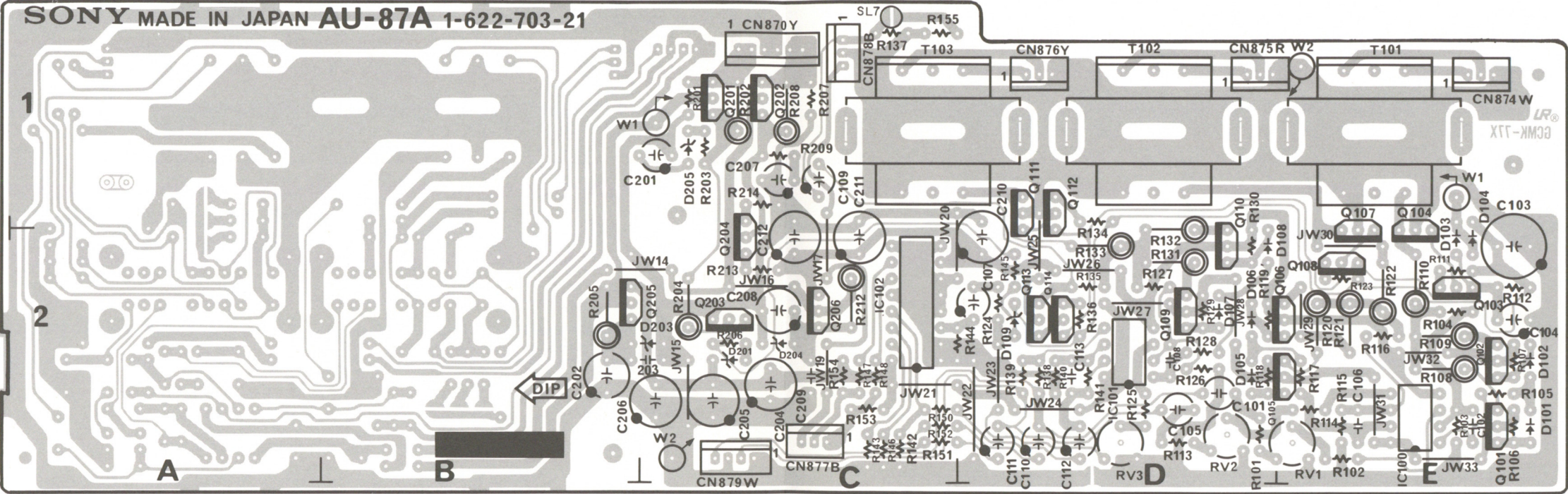
CN870 C-1
CN874 E-1
CN875 D-1
CN876 D-1
CN877 C-2
CN878 C-1
CN879 C-2

D101 E-2
D102 E-2
D103 E-2
D104 E-2
D105 D-2
D106 D-2
D107 D-2
D108 D-2
D109 D-2
D201 C-2
D203 C-2
D204 C-2
D205 C-1

IC100 E-2
IC101 D-2
IC102 C-2

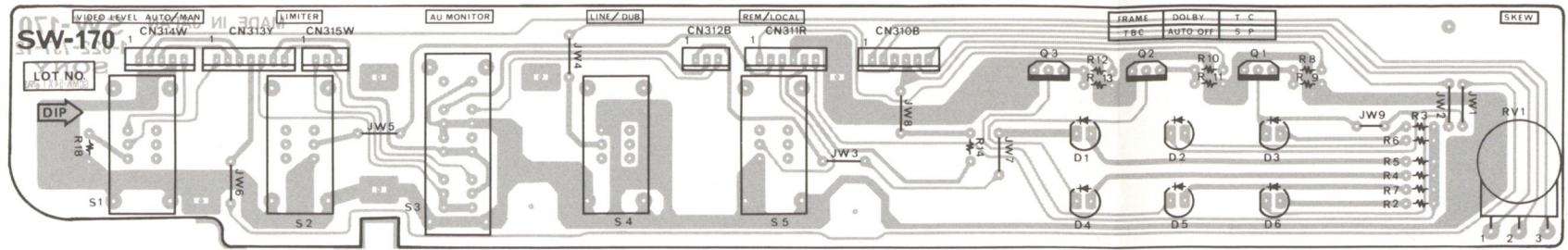
Q101 E-2
Q102 E-2
Q103 E-2
Q104 E-1
Q105 E-2
Q106 E-2
Q107 E-1
Q108 E-2
Q109 D-2
Q110 D-2
Q111 D-1
Q112 D-1
Q113 D-2
Q114 D-2
Q201 C-1
Q202 C-1
Q203 C-2
Q204 C-2
Q205 B-2
Q206 C-2

RV1 E-2
RV2 D-2
RV3 D-2

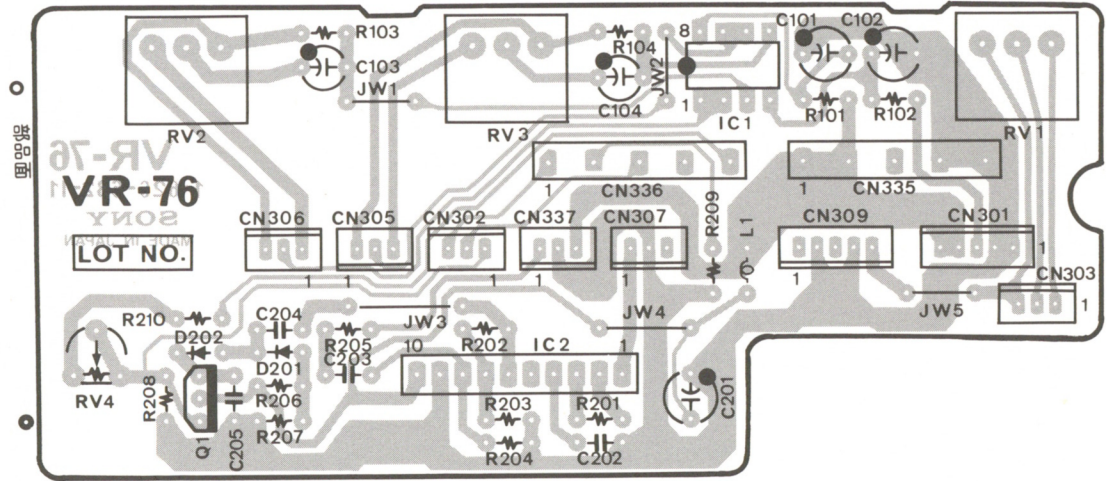


AU-87A — COMPONENT SIDE —
1-622-703-21(1)
BVU-900

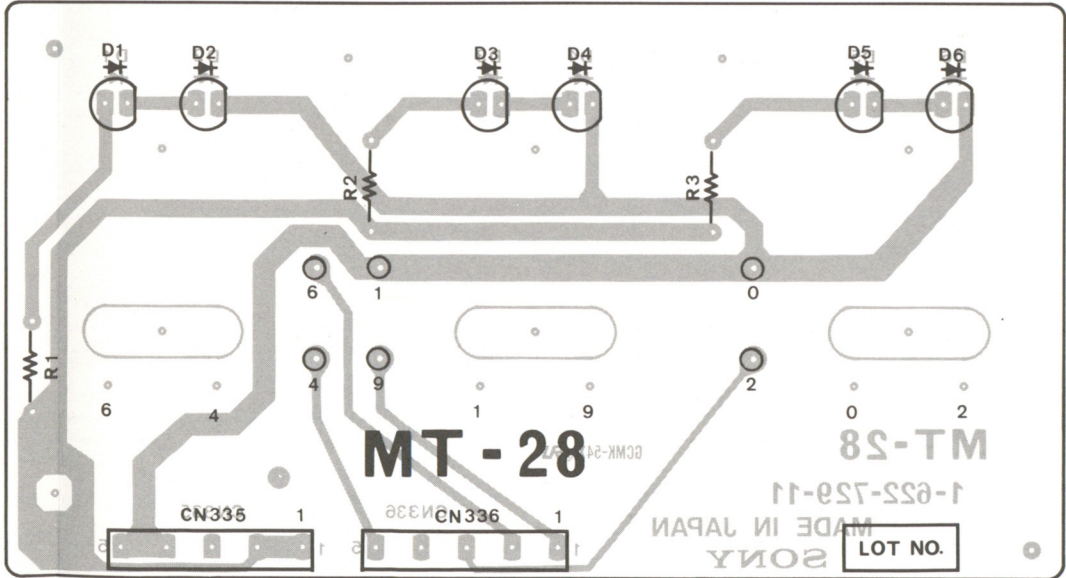
SW-170B; AUDIO MONITOR SELECT/SELECT SWITCH/WARNING INDICATOR
VR-76; PB LEVEL/TRACKING CONTROL
MT-28; LEVEL METER



SW-170B — COMPONENT SIDE —
1-622-737-12(1)
BVU-900

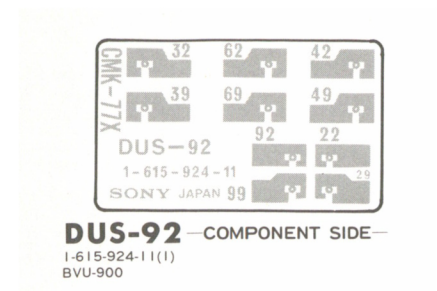


VR-76 — COMPONENT SIDE —
1-626-682-11(1)
BVU-900

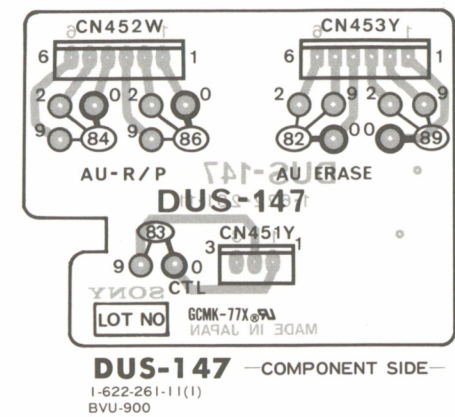


MT-28 — COMPONENT SIDE —
1-622-729-11(1)
BVU-900

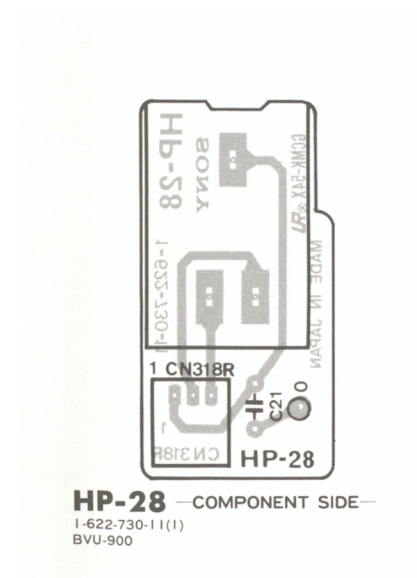
DUS-92; AUDIO HEAD
DUS-147; JUNCTION BOARD FOR AUDIO HEAD
HP-28; HEADPHONES
VR-49; HEADPHONES LEVEL CONTROL



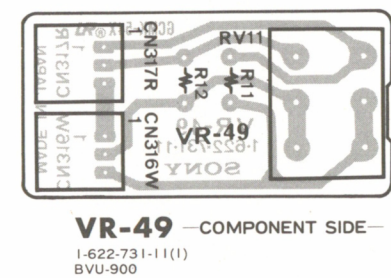
DUS-92 —COMPONENT SIDE—
1-615-924-11(I)
BVU-900



DUS-147 —COMPONENT SIDE—
1-622-261-11(I)
BVU-900



HP-28 —COMPONENT SIDE—
1-622-730-11(I)
BVU-900

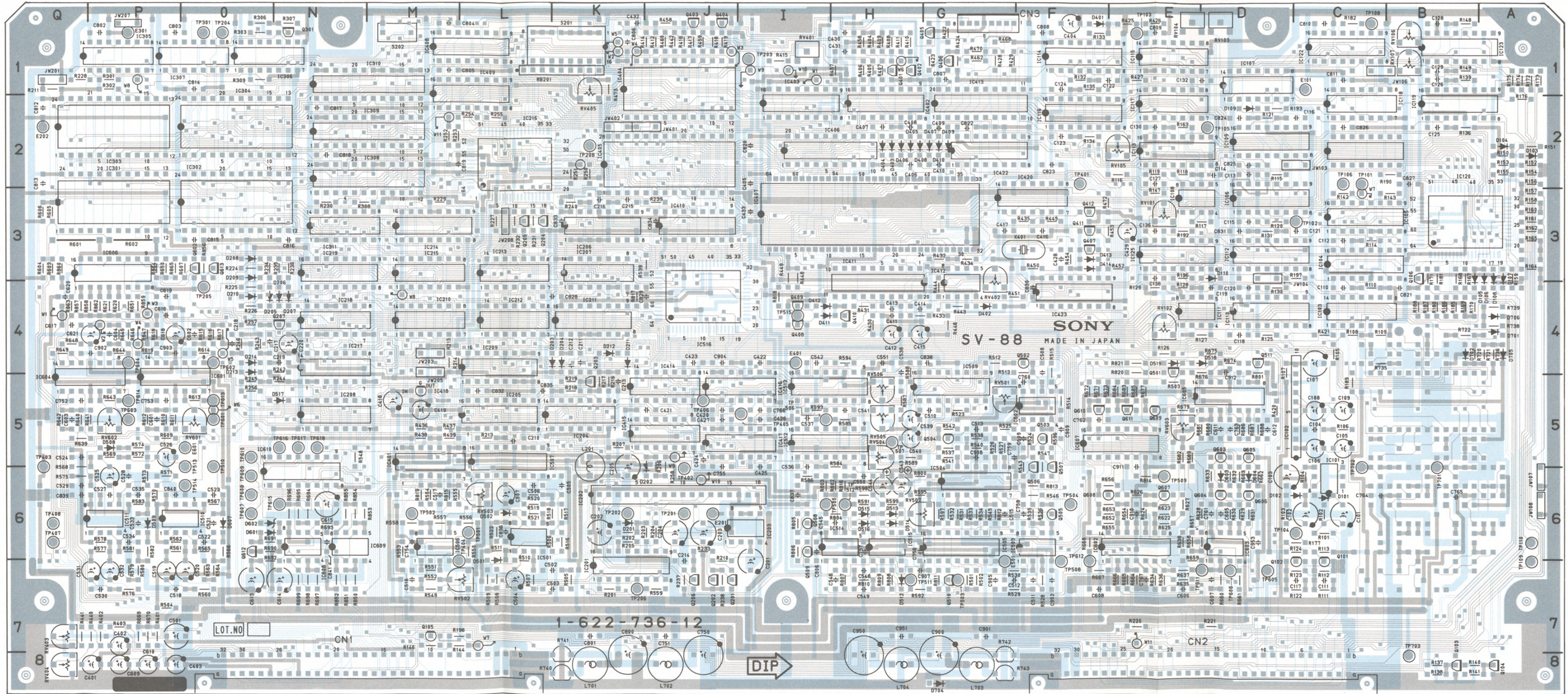


VR-49 —COMPONENT SIDE—
1-622-731-11(I)
BVU-900

SV-88C; DRUM/CAPSTAN/REEL SERVO

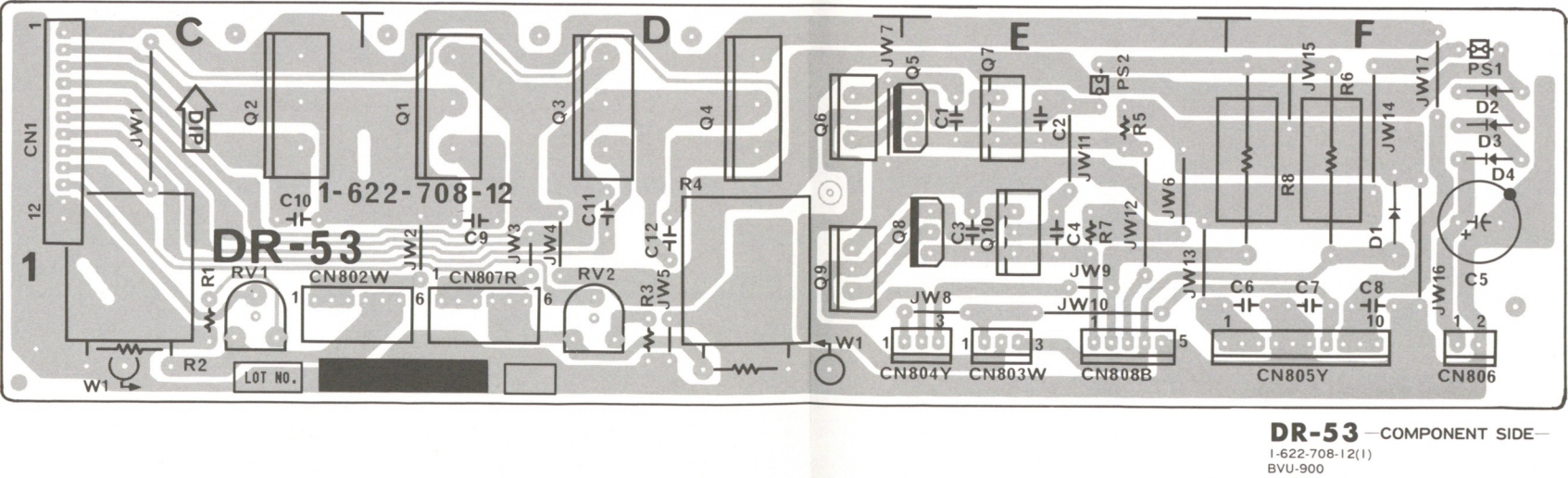
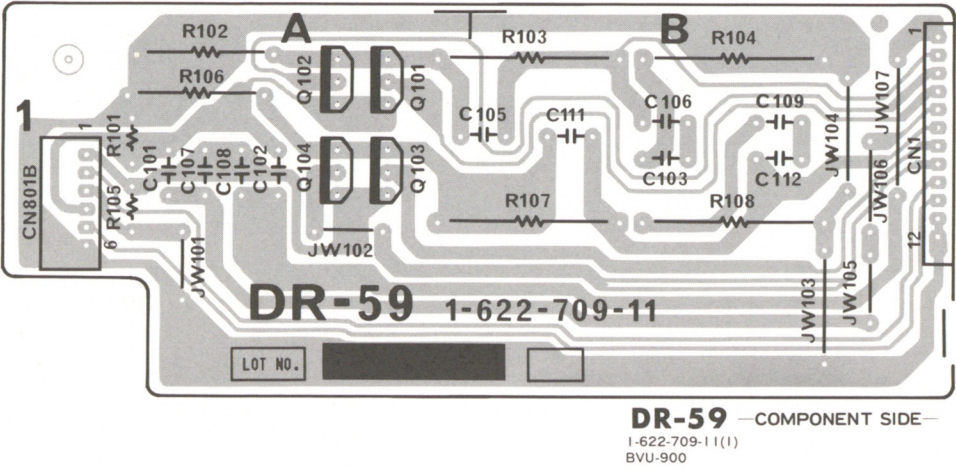
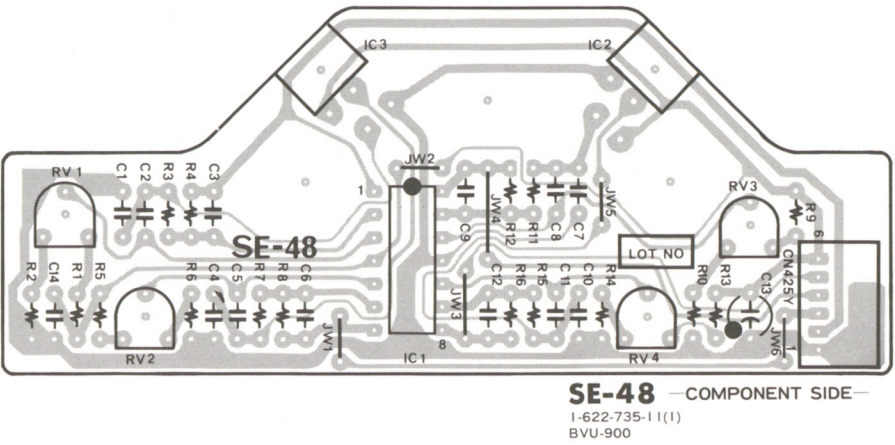
SV-88C(1-622-736-12)

CN1	N-8	D701	A-4	IC304	O-2	Q105	M-7	RV405	K-1	TP605	D-7
CN2	E-8	D702	B-4	IC305	P-1	Q106	B-3	RV501	G-5	TP606	D-7
CN3	G-1	D704	G-8	IC306	O-1	Q201	J-7	RV502	L-7	TP607	O-6
		D705	A-4	IC307	O-1	Q202	J-7	RV503	L-6	TP608	O-6
D101	C-6	D706	A-4	IC308	M-2	Q203	K-5	RV504	H-5	TP609	O-6
D102	D-6			IC309	M-2	Q204	L-3	RV505	H-5	TP610	O-5
D103	A-2	E101	C-1	IC310	M-1	Q205	L-3	RV506	H-5	TP611	E-7
D104	A-2	E201	J-6	IC311	N-3	Q206	J-7	RV507	H-6	TP612	F-7
D105	B-3	E202	Q-2	IC401	M-5	Q207	N-4	RV601	O-5	TP613	O-5
D106	A-3	E301	P-1	IC402	H-2	Q301	N-1	RV602	P-5	TP614	P-5
D107	A-3	E401	I-4	IC403	I-2	Q401	H-1	RV603	E-5	TP615	N-6
D108	A-3	E501	G-7	IC404	J-1	Q402	H-1			TP616	N-5
D109	D-2	E601	O-5	IC405	J-2	Q403	J-1	S201	K-1	TP617	N-5
D110	D-3			IC406	I-2	Q404	J-1	S202	M-1	TP618	N-5
D201	K-6	IC101	C-6	IC407	H-3	Q405	G-1			TP701	B-6
D202	J-5	IC102	D-5	IC408	L-1	Q406	G-1	TP101	C-2	TP702	C-6
D203	K-4	IC103	C-4	IC409	L-1	Q407	F-3	TP102	C-3	TP703	B-8
D204	K-4	IC104	C-3	IC410	J-3	Q408	I-4	TP103	E-1		
D205	O-4	IC105	C-3	IC411	H-4	Q409	I-4	TP104	D-6	X401	F-3
D206	N-4	IC106	D-3	IC412	G-4	Q410	H-4	TP105	D-2		
D207	N-4	IC107	D-1	IC413	G-2	Q411	F-3	TP106	C-2		
D208	O-3	IC108	E-3	IC414	J-5	Q412	F-3	TP108	C-1		
D209	O-3	IC109	D-2	IC415	J-5	Q501	E-5	TP109	A-7		
D210	O-4	IC110	D-4	IC416	I-5	Q502	F-4	TP110	A-6		
D211	K-4	IC111	E-4	IC417	I-5	Q503	F-5	TP201	J-6		
D212	K-4	IC112	D-3	IC418	M-5	Q504	G-5	TP202	K-6		
D213	O-5	IC113	E-2	IC420	F-3	Q505	F-6	TP203	I-1		
D214	O-4	IC114	F-1	IC422	G-2	Q506	F-6	TP204	O-1		
D401	F-1	IC115	E-1	IC423	F-4	Q507	F-6	TP205	O-4		
D402	G-4	IC116	F-2	IC501	L-6	Q508	I-6	TP206	K-7		
D403	H-2	IC117	E-2	IC502	F-5	Q509	I-6	TP208	K-2		
D404	H-2	IC118	C-2	IC503	F-6	Q510	G-7	TP301	O-1		
D405	H-2	IC119	B-2	IC504	G-6	Q511	D-4	TP401	F-2		
D406	H-2	IC120	B-3	IC505	G-6	Q602	O-3	TP402	J-6		
D407	G-2	IC122	C-1	IC506	M-6	Q603	D-5	TP403	Q-5		
D408	H-2	IC123	B-1	IC507	L-5	Q604	D-6	TP404	M-7		
D409	G-2	IC125	E-3	IC509	G-5	Q605	D-5	TP405	I-5		
D410	G-2	IC201	K-7	IC510	O-6	Q606	D-6	TP406	J-5		
D411	I-4	IC202	J-6	IC511	P-6	Q607	E-6	TP407	Q-6		
D412	I-4	IC203	I-6	IC512	I-5	Q608	F-6	TP408	Q-6		
D413	F-3	IC204	K-5	IC513	I-5	Q609	E-5	TP501	L-6		
D414	F-3	IC205	L-5	IC514	H-6	Q610	F-5	TP502	M-6		
D501	L-7	IC206	K-3	IC515	H-6	Q611	E-5	TP503	G-7		
D502	L-6	IC207	K-3	IC516	J-4	Q612	O-6	TP504	F-6		
D507	O-6	IC208	N-5	IC601	O-5	Q613	O-3	TP505	I-6		
D508	P-5	IC209	L-4	IC602	E-6			TP506	I-5		
D509	P-6	IC210	M-4	IC603	D-6	RB201	K-1	TP507	H-5		
D512	H-7	IC211	K-4	IC604	Q-5			TP508	F-7		
D513	H-6	IC212	L-4	IC605	D-5	RV101	E-3	TP509	E-6		
D514	H-6	IC213	L-3	IC606	P-3	RV102	E-4	TP510	O-6		
D515	H-6	IC214	M-3	IC607	F-5	RV103	D-1	TP511	H-7		
D516	H-6	IC215	M-3	IC608	N-6	RV104	E-1	TP512	H-6		
D517	N-5	IC216	L-2	IC609	N-6	RV105	E-2	TP513	O-6		
D518	D-4	IC217	N-4	IC610	N-6	RV106	B-1	TP514	O-6		
D519	E-4	IC218	N-4			RV107	B-1	TP515	I-4		
D601	O-6	IC219	N-3	Q101	C-7	RV401	I-1	TP601	O-5		
D602	O-6	IC301	P-3	Q102	D-7	RV402	G-3	TP602	O-4		
D603	D-6	IC302	O-3	Q103	B-8	RV403	Q-7	TP603	P-5		
D604	D-6	IC303	P-2	Q104	A-8	RV404	Q-8	TP604	P-4		

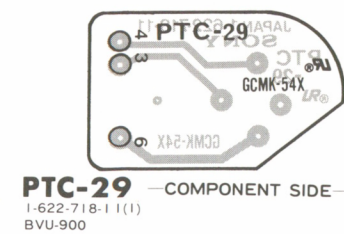
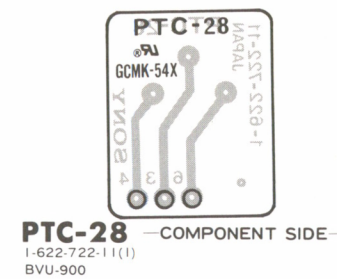
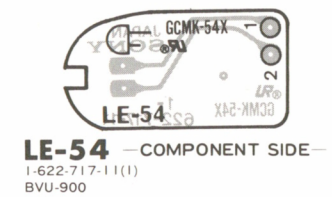
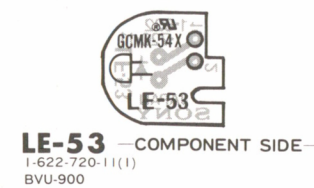
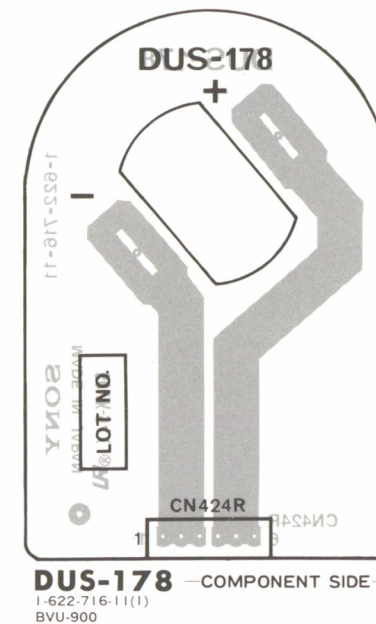
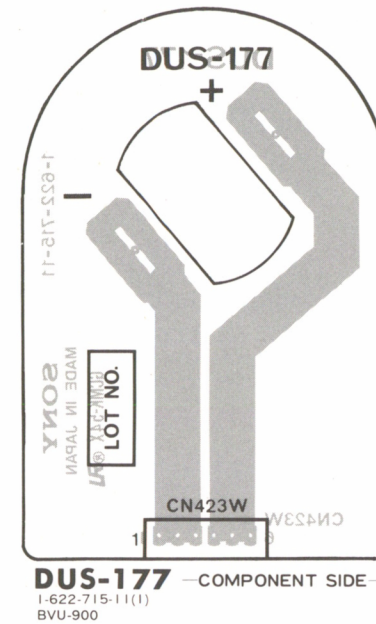


SV-88C — COMPONENT SIDE —
1-622-736-12(1)
SVU-900

DR-53; REEL/CAPSTAN/DRUM MOTOR DRIVE
DR-59; REEL MOTOR DRIVE
SE-48; REEL ROTATION DETECTOR



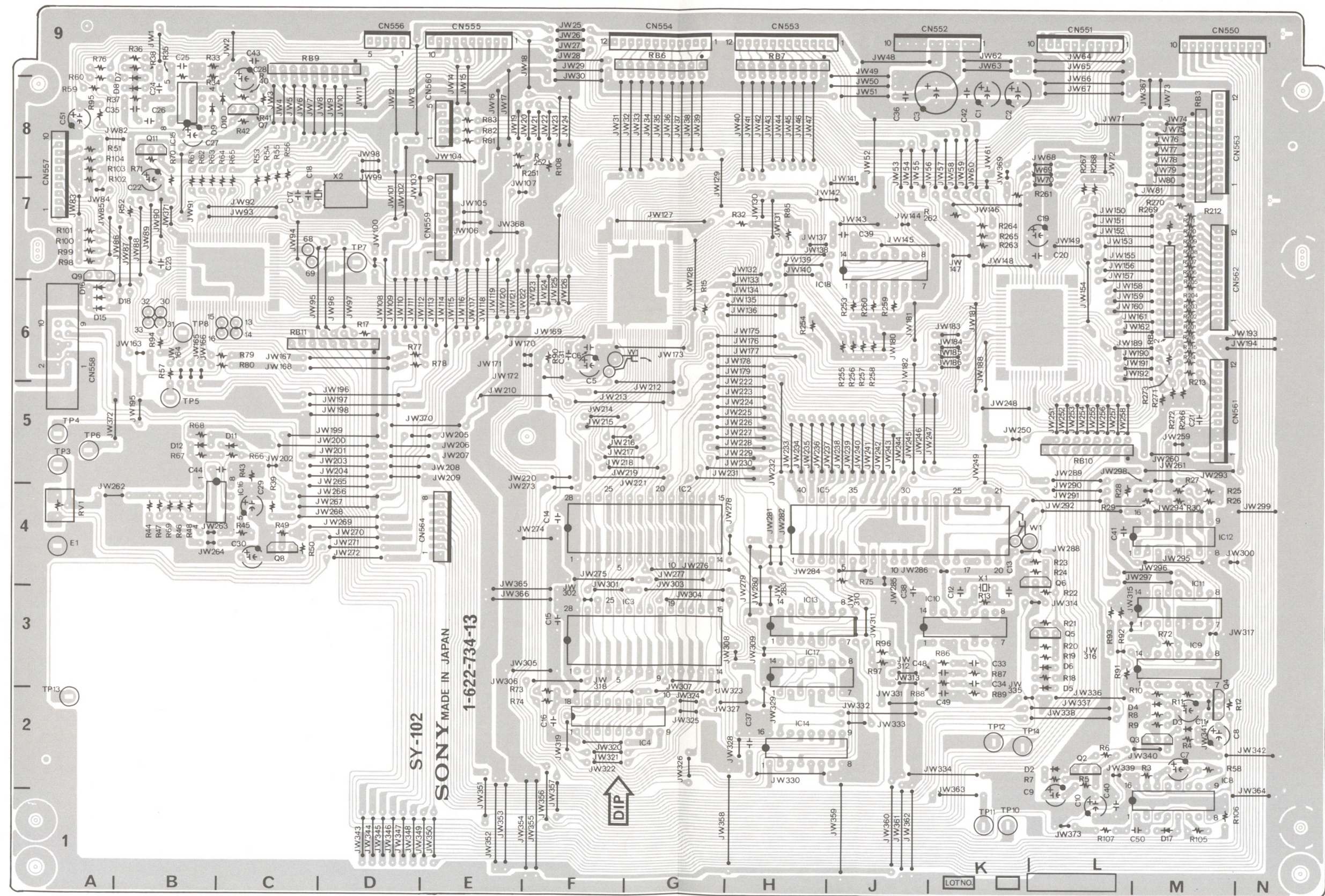
DUS-177; T-REEL MOTOR
DUS-178; S-REEL MOTOR
LE-53; S-TENSION LED
LE-54; T-TENSION LED
PTC-28; S-TENSION CdS
PTC-29; T-TENSION CdS



SY-102B; SYSTEM CONTROL

SY-102B(1-622-734-13)

CN550	M-9	RB2	M-6
CN551	L-9	RB3	M-8
CN552	K-9	RB6	G-9
CN553	H-9	RB7	H-9
CN554	G-9	RB9	C-9
CN555	E-9	RB10	L-5
CN556	D-9	RB11	D-6
CN557	A-8		
CN558	A-6	RV1	A-4
CN559	E-7		
CN560	E-8	TP3	A-5
CN561	M-5	TP4	A-5
CN562	M-7	TP5	B-5
CN563	M-8	TP6	A-5
CN564	E-4	TP7	D-7
		TP8	B-6
D2	L-2	TP10	K-1
D3	M-2	TP11	K-1
D4	M-2	TP12	K-2
D5	L-3	TP13	A-2
D6	L-3	TP14	K-2
D7	B-8		
D8	B-8	X1	K-4
D9	B-8	X2	D-7
D10	C-8		
D11	C-5		
D12	B-5		
D15	A-6		
D16	A-6		
D17	M-1		
D18	A-6		
E1	A-4		
IC2	G-4		
IC3	G-3		
IC4	G-2		
IC5	J-4		
IC8	M-1		
IC9	M-3		
IC10	K-3		
IC11	M-3		
IC12	M-4		
IC13	H-3		
IC14	H-2		
IC15	B-8		
IC16	C-4		
IC17	H-3		
IC18	J-7		
Q2	L-2		
Q3	M-2		
Q4	M-2		
Q5	L-3		
Q6	L-4		
Q7	C-8		
Q8	C-4		
Q9	A-7		
Q11	B-8		

SY-102B — COMPONENT SIDE —
1-622-734-13(1)
BVU-900

KY-144A; FUNCTION KEY BOARD
DP-62; DISPLAY

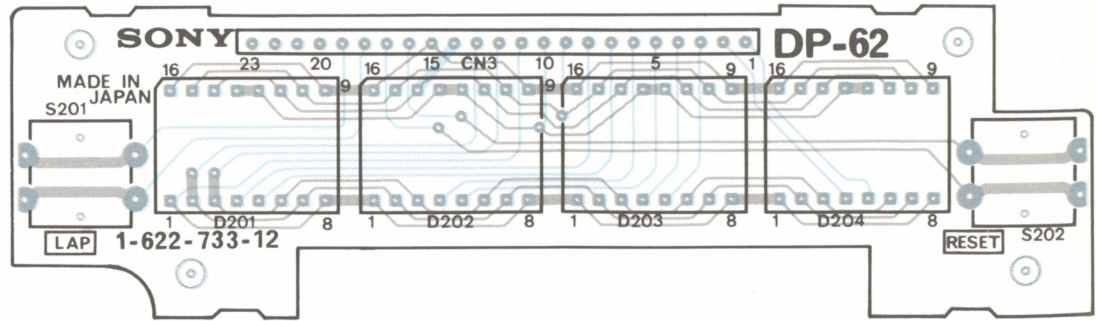
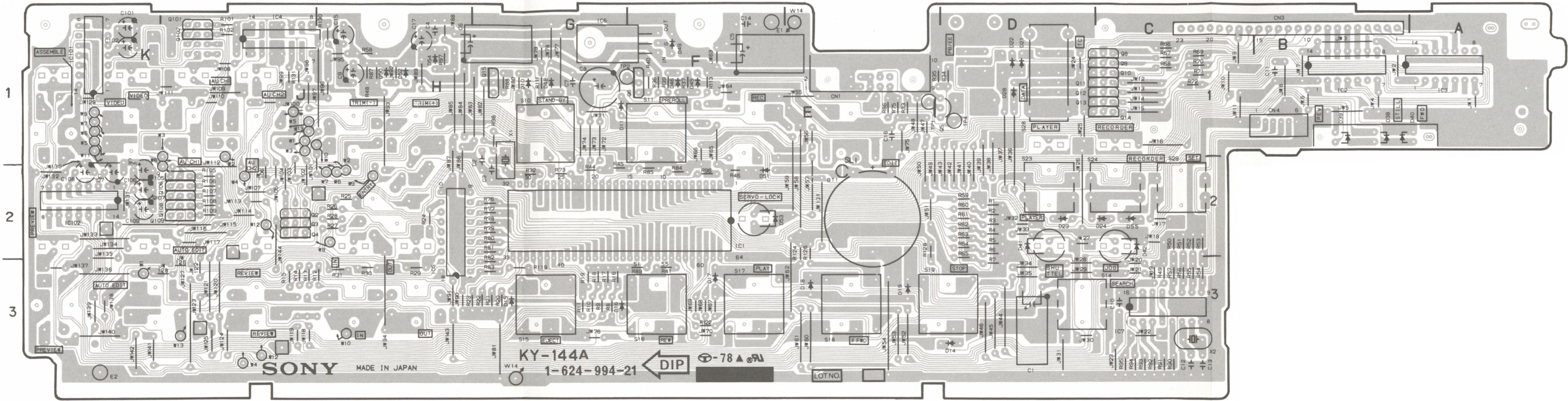
KY-144A(1-624-994-21)

CN1	E-1	Q102	J-1
CN3	B-1	Q105	J-2
CN4	B-1	Q106	J-2
		Q107	J-2
D10	G-1	Q108	J-2
D11	G-1	Q109	J-2
D14	D-3		
D15	G-3	S10	G-1
D16	G-3	S11	F-1
D17	F-3	S14	D-3
D18	E-3	S15	G-3
D19	E-3	S16	F-3
D22	D-1	S17	F-3
D23	D-2	S18	E-3
D24	C-2	S19	D-3
D28	D-1	S23	D-2
D38	B-1	S24	C-2
D39	B-1	S28	D-1
D40	A-1	S29	C-2
D41	D-2		
D42	C-2	TP1	E-1
D45	F-1	TP2	G-1
D46	F-1	TP4	D-1
D48	G-1		
D49	F-1	X1	G-2
D50	H-1	X2	C-3
D51	F-1		
D52	H-1		
D53	F-2		
D54	H-1		
D55	C-2		

E1	F-1
E2	K-3

IC1	F-2
IC2	B-1
IC3	A-1
IC4	J-1
IC5	H-2
IC6	G-1
IC7	C-3
IC101	K-1
IC102	K-2

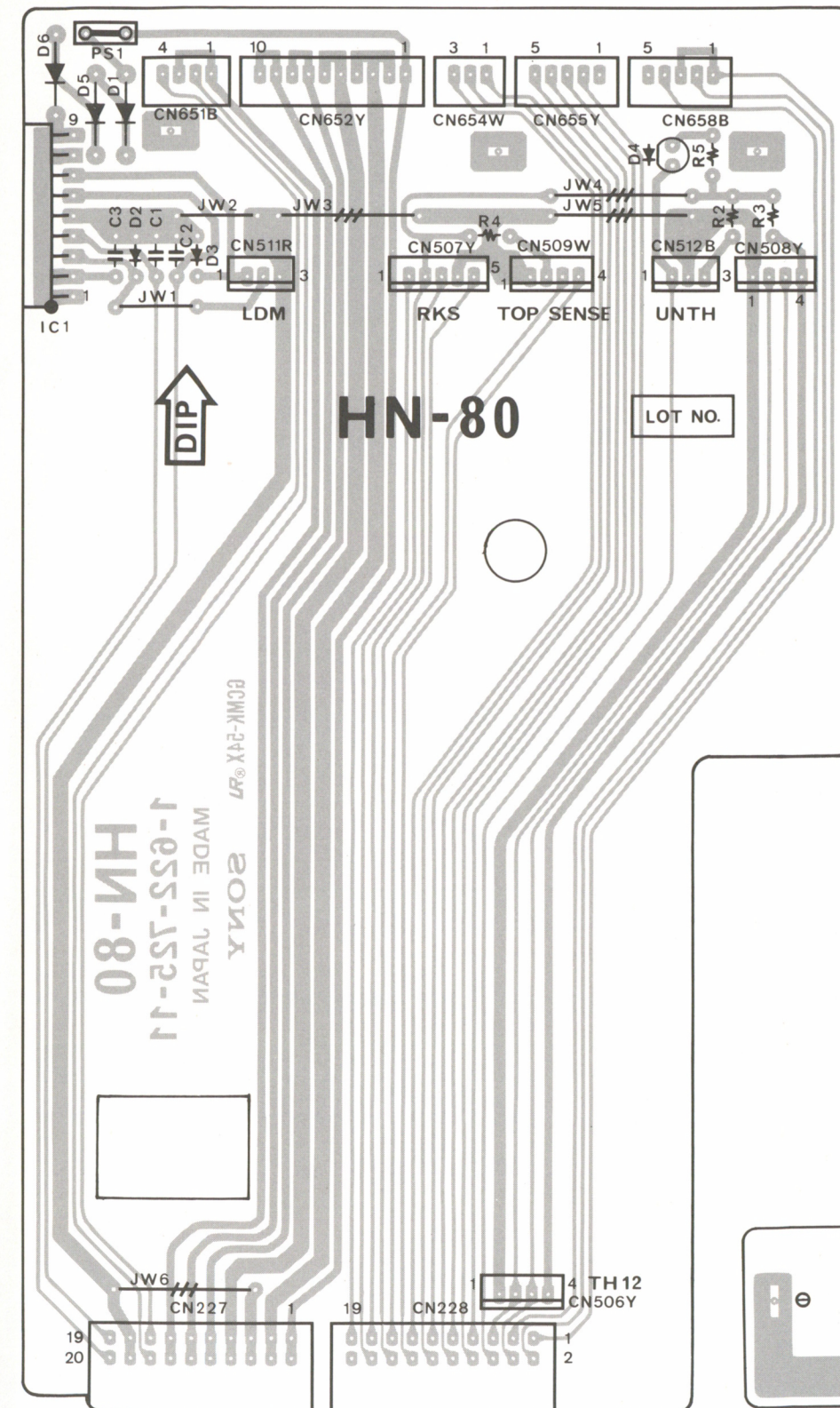
Q2	J-2
Q3	J-2
Q4	J-2
Q5	D-1
Q6	F-1
Q8	C-1
Q9	C-1
Q10	C-1
Q11	C-1
Q12	C-1
Q13	C-1
Q14	C-1
Q15	G-1
Q101	J-1



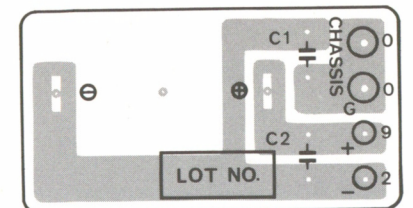
DP-62 —COMPONENT SIDE—
1-622-733-12(1)
BVU-900

KY-144A —COMPONENT SIDE—
1-624-994-21(1)
BVU-900

HN-80A; THREADING MOTOR DRIVER/OTHERS
LM-13; THREADING MOTOR

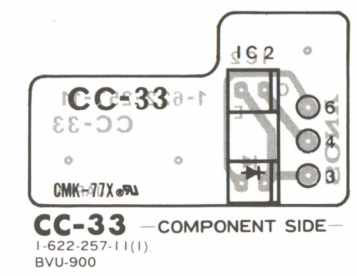
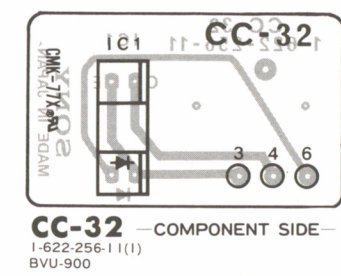
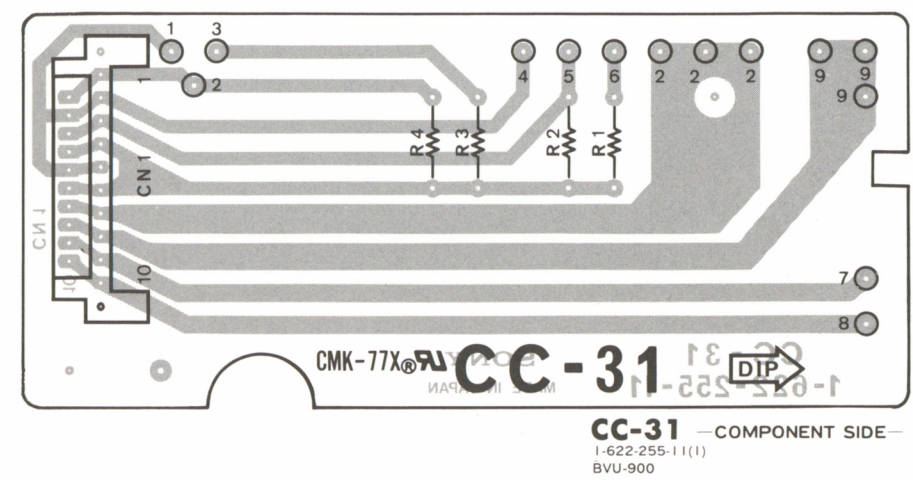


HN-80A — COMPONENT SIDE —
1-622-725-11(1)
BVU-900

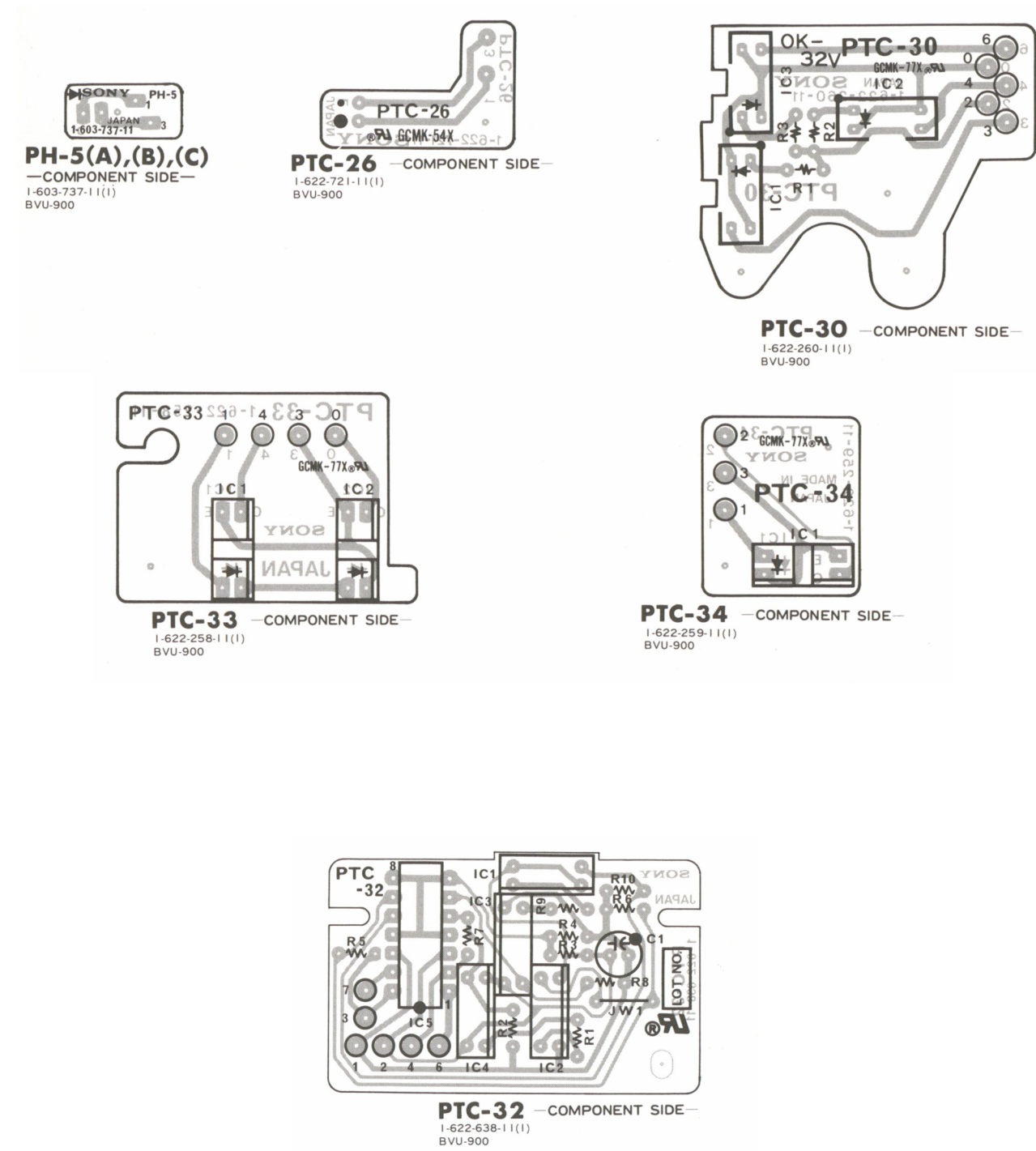


LM-13 — COMPONENT SIDE —
1-618-600-11(1)
BVU-900

CC-31; CASSETTE COMPARTMENT DRIVER
 CC-32; CASSETTE IN DETECTOR
 CC-33; CASSETTE DOWN DETECTOR



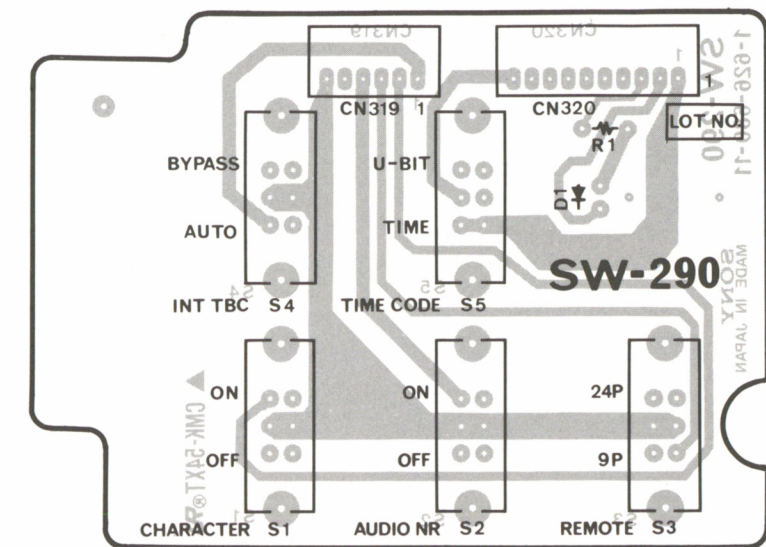
- PH-5(A); TAPE TOP LED
- PH-5(B); TAPE TOP SENSOR
- PH-5(C); TAPE END LED
- PTC-26; TAPE END SENSOR
- PTC-30; SP, KCA DETECTOR
- PTC-32; SEARCH DIAL
- PTC-33; FR STOP DETECTOR
- PTC-34; UNTHREAD END DETECTOR



SW-290

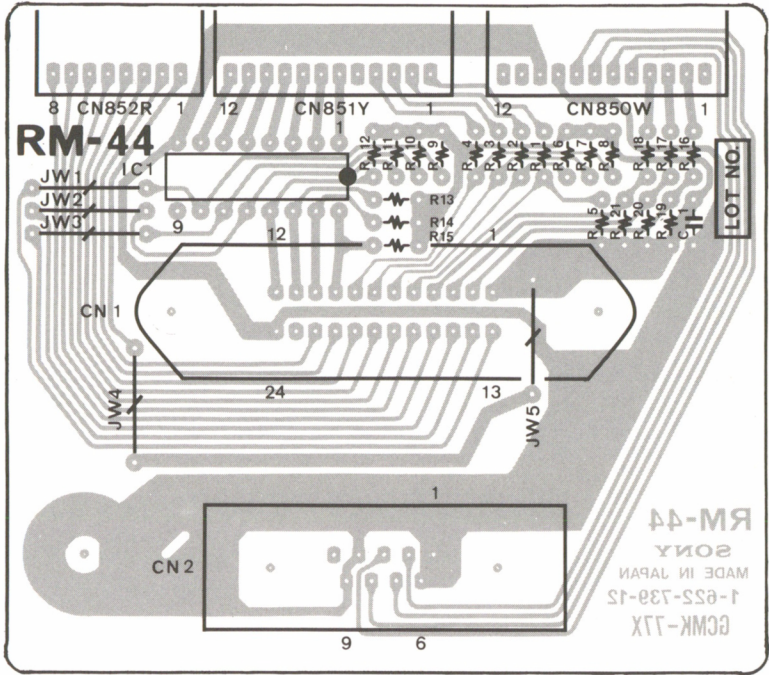
SW-290

SW-290; TIME CODE CONTROL/SELECT SWITCH



SW-290 —COMPONENT SIDE—
1-626-680-11(1)
BVU-900

RM-44; REMOTE CONTROL (9PIN&24PIN)



RM-44 —COMPONENT SIDE—
1-622-739-12(1)
BVU-900

TC-51; TIME CODE/CHARACTER GENERATOR

TC-51(1-626-683-11)

CV1 C-5

D1 B-1

D2 C-1

D3 C-1

D7 F-5

E1 A-1

E2 A-6

E3 J-1

E4 J-6

IC1 E-2

IC5 B-5

IC8 E-4

IC9 G-4

IC10 H-4

IC11 C-2

IC12 B-6

IC14 G-1

IC15 B-4

IC16 E-5

IC17 G-6

IC21 G-2

IC26 J-4

IC27 C-2

IC28 E-1

IC29 J-2

IC30 C-6

IC31 B-3

IC32 E-6

IC33 C-1

IC35 H-1

IC36 J-1

TP2 C-1

TP3 A-2

TP4 C-2

TP12 B-3

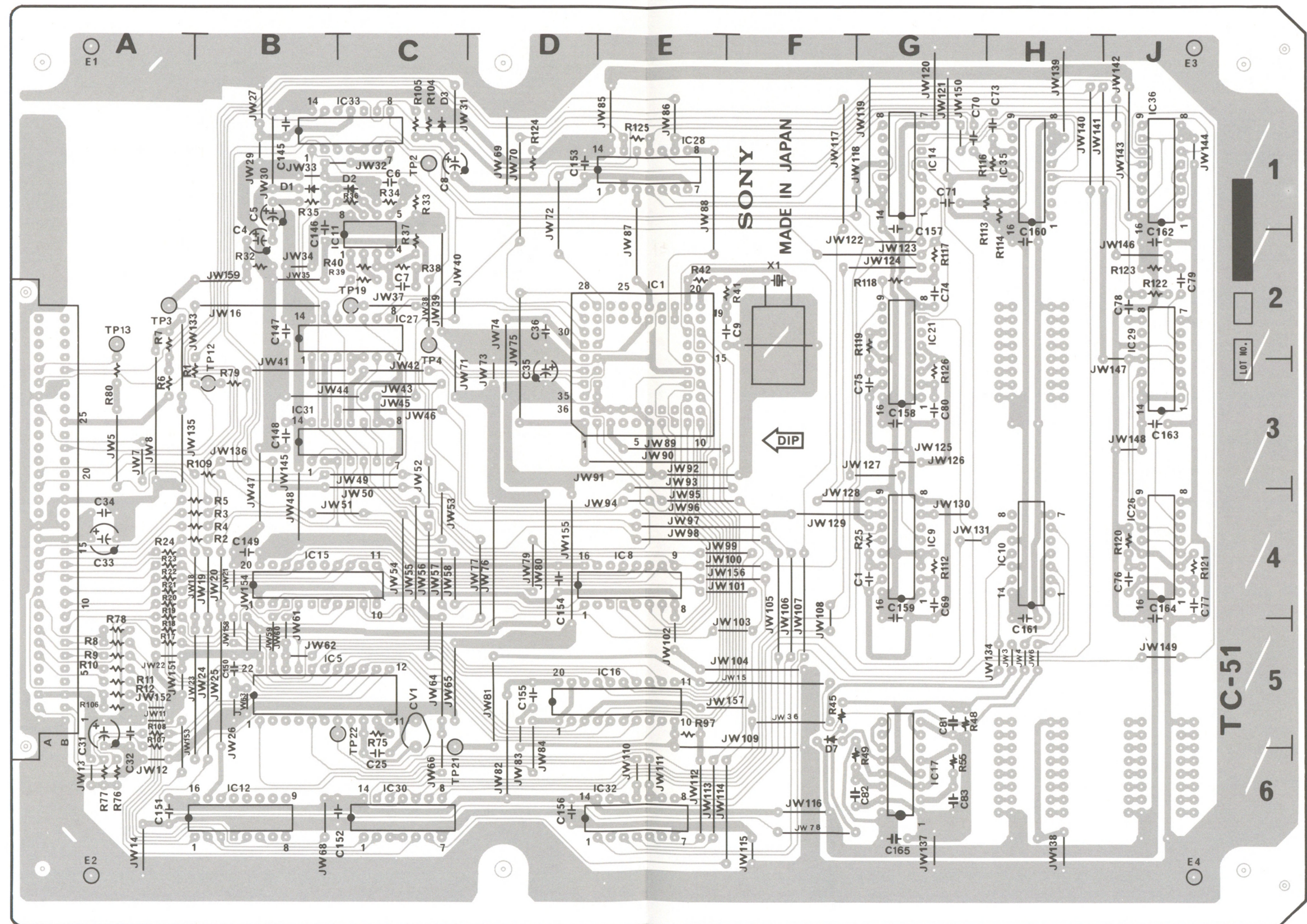
TP13 A-2

TP19 C-2

TP21 C-6

TP22 C-6

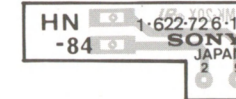
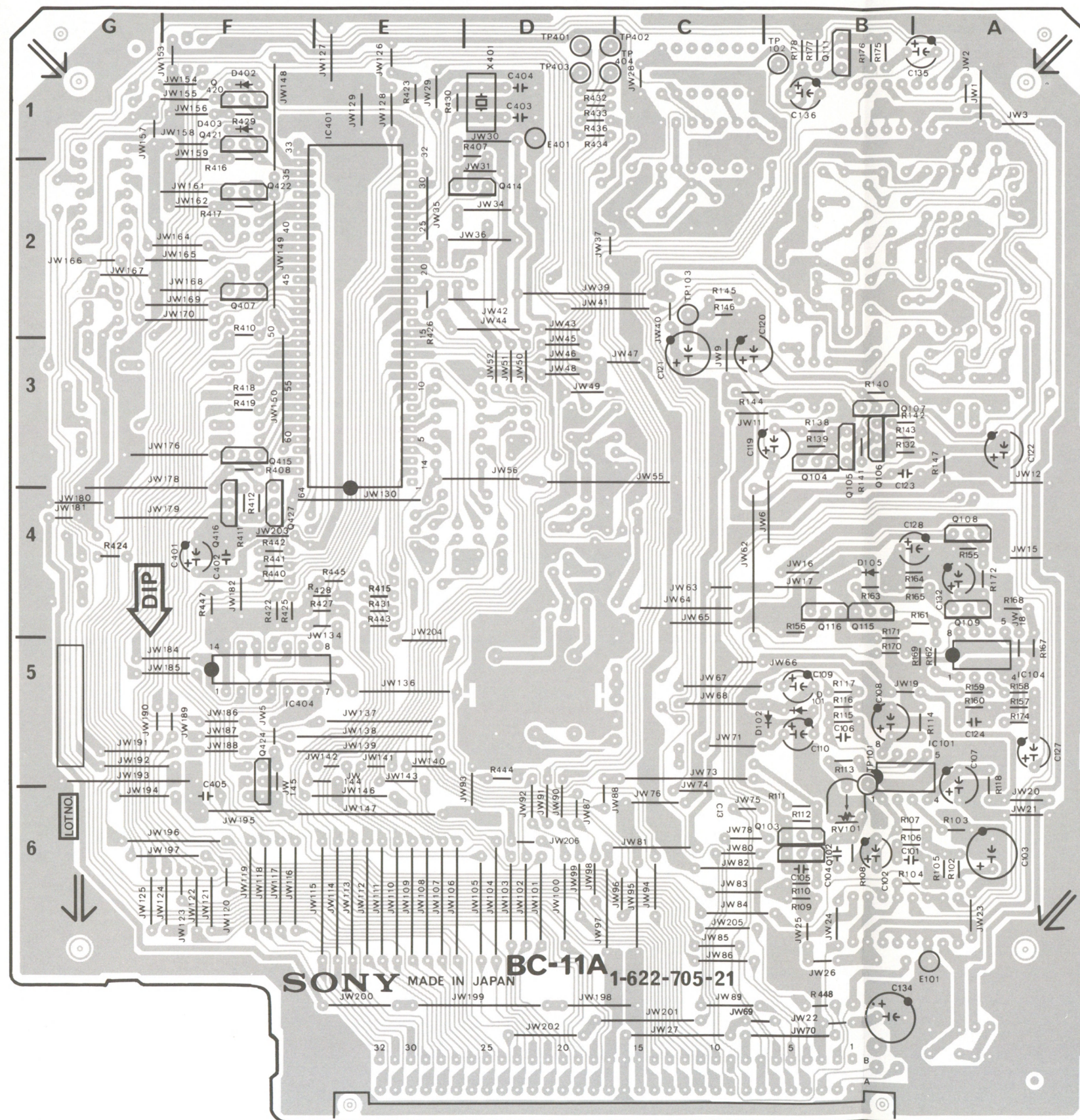
X1 F-2

TC-51 —COMPONENT SIDE—
1-626-683-11(1)
BVU-900

BC-11A; VIDEO/AUDIO TIMING CONTROL, TIME CODE PB AMPLIFIER
HN-84; TIME CODE HEAD

BC-11A(1-622-705-21)

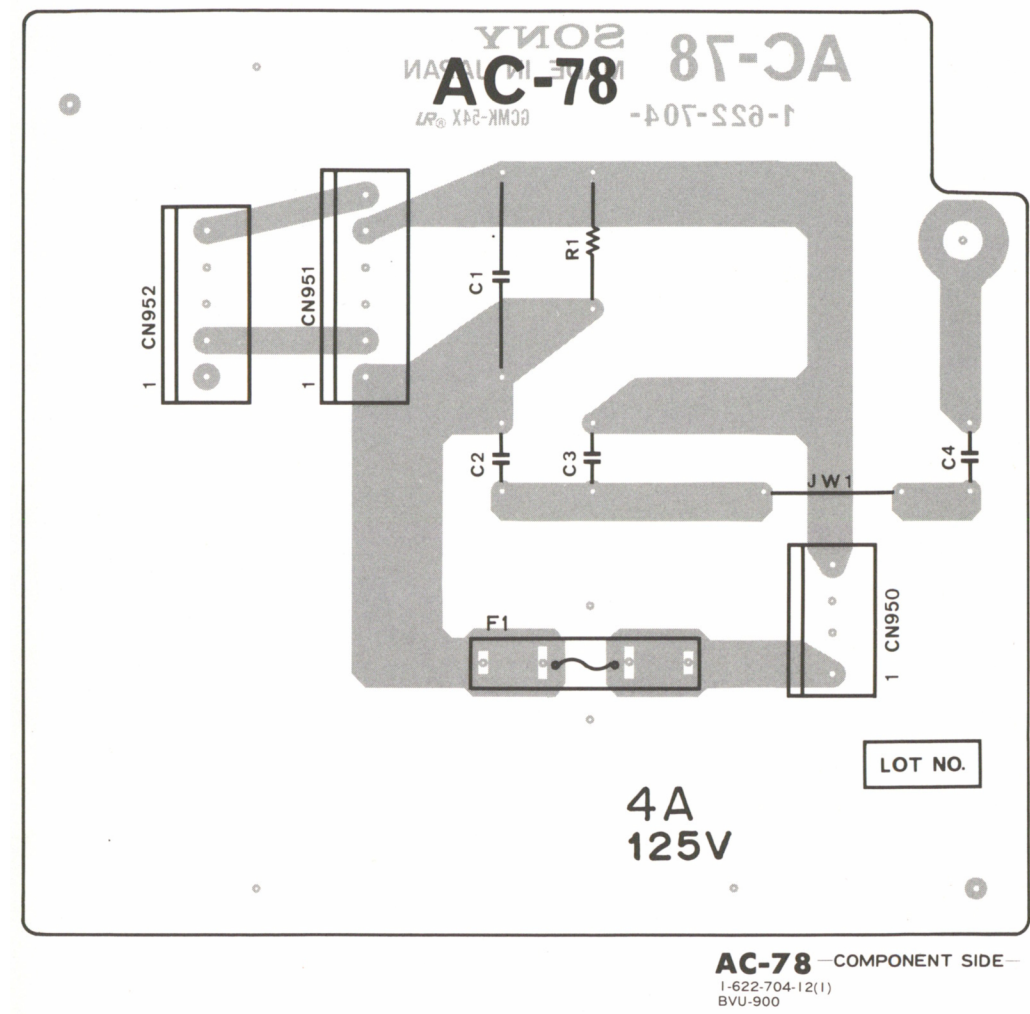
D101	B-5
D102	C-5
D105	B-4
D402	F-1
D403	F-1
E101	A-6
E401	D-1
IC101	B-5
IC104	A-5
IC401	E-2
IC404	F-5
Q102	B-6
Q103	B-6
Q104	B-3
Q105	B-3
Q106	B-3
Q107	B-3
Q108	A-4
Q109	A-4
Q111	B-1
Q115	B-4
Q116	B-4
Q407	F-2
Q414	D-2
Q415	F-3
Q416	F-4
Q420	F-1
Q421	F-1
Q422	F-2
Q424	F-5
Q427	F-4
RV101	B-6
TP101	B-5
TP102	B-1
TP103	C-2
TP401	D-1
TP402	D-1
TP403	D-1
TP404	D-1
X401	D-1



HN-84 — COMPONENT SIDE —
1-622-726-11(1)
BVU-900

BC-11A — COMPONENT SIDE —
1-622-705-21(1)
BVU-900

AC-78; AC PRIMARY CIRCUIT



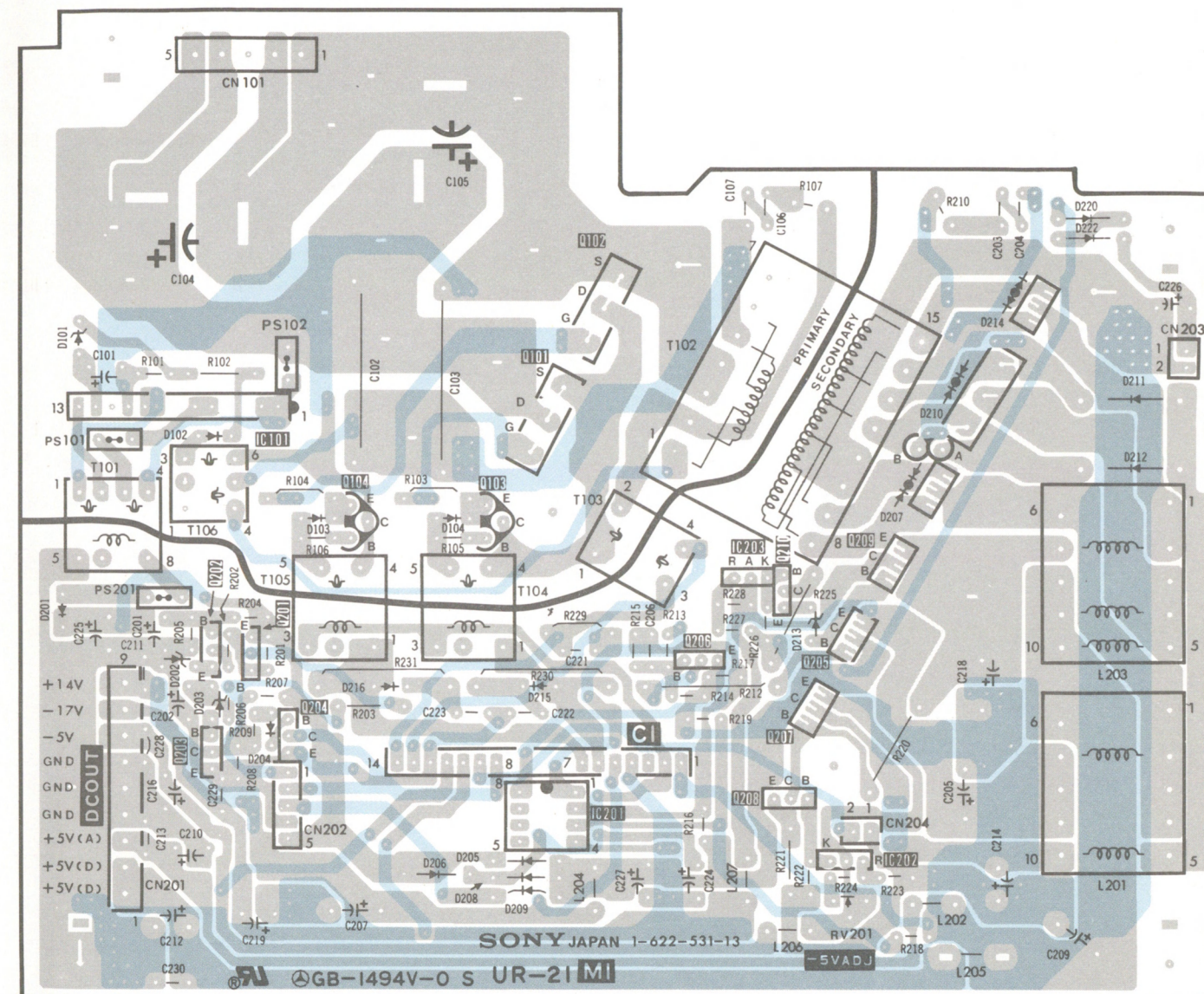
UR-21; SWITCHING REGULATOR

C1

C2

M1

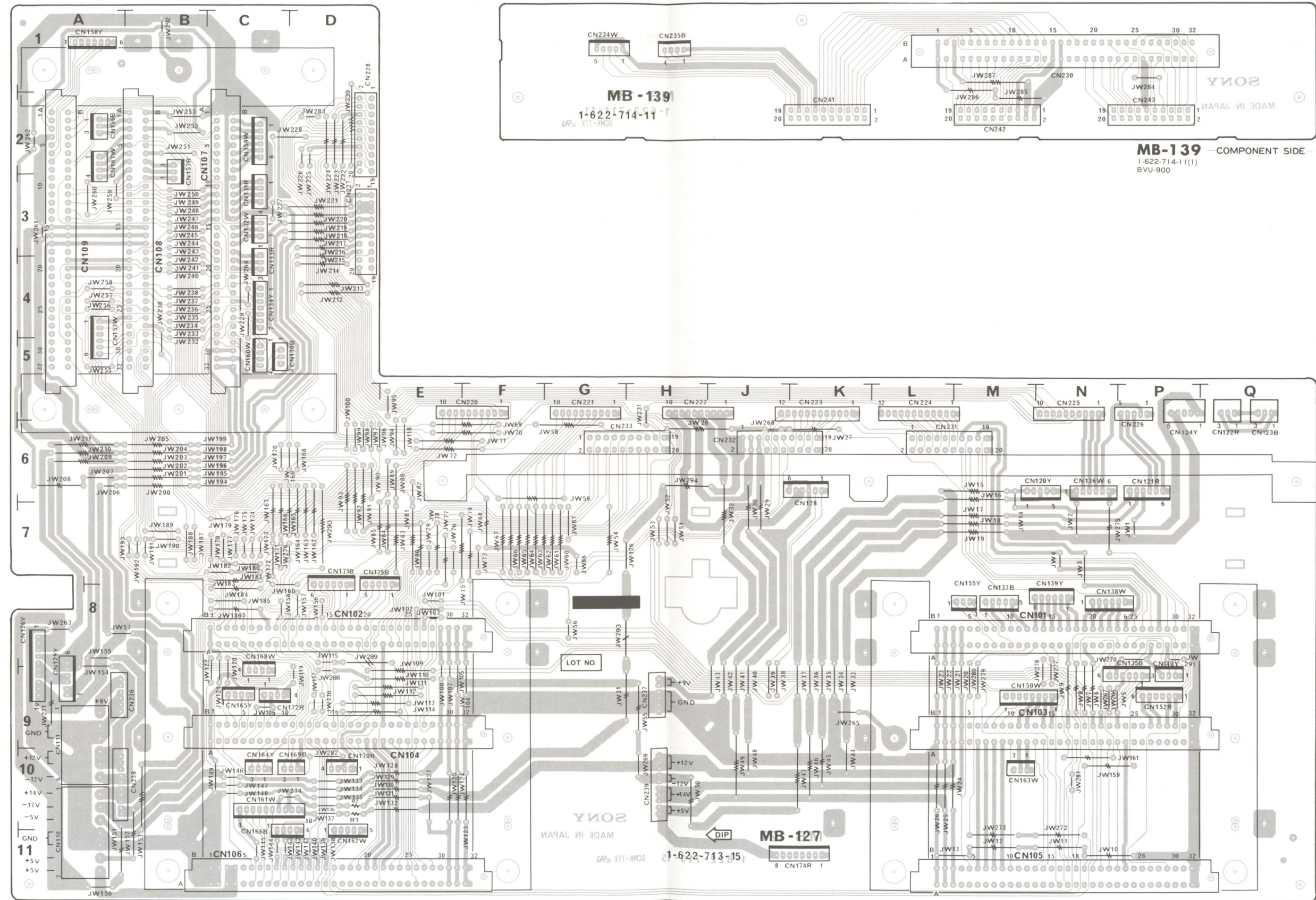
M2



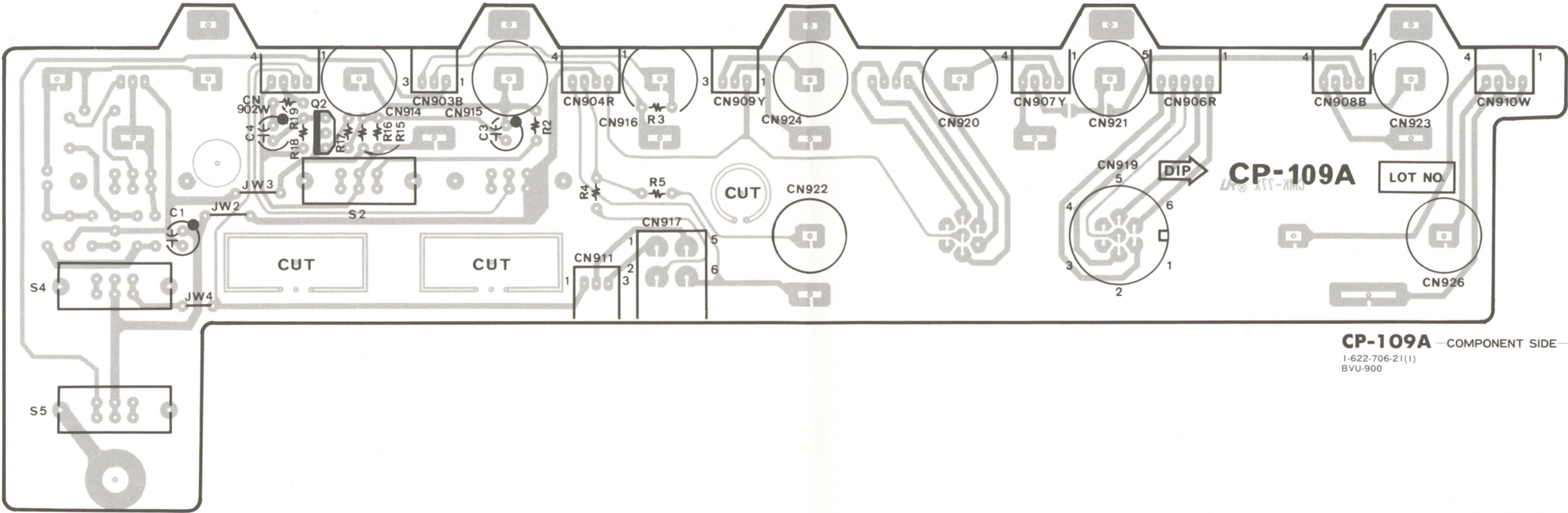
MB-127A; MOTHER BOARD
MB-139; SUB MOTHER FOR TC

MB-127A(1-622-713-15)

CN101	N-8	CN226	P-5
CN102	D-8	CN227	D-3
CN103	N-9	CN228	D-2
CN104	D-9	CN231	L-6
CN105	N-11	CN232	J-6
CN106	C-11	CN233	H-6
CN107	C-2	CN236	A-9
CN108	B-3	CN237	H-9
CN109	A-3	CN238	A-10
CN110	A-11	CN239	H-10
CN111	A-9		
CN120	N-6		
CN121	P-6		
CN122	Q-5		
CN123	Q-5		
CN124	P-5		
CN126	A-8		
CN128	K-6		
CN129	A-9		
CN130	C-5		
CN131	C-3		
CN132	C-3		
CN133	C-4		
CN134	C-4		
CN135	P-9		
CN136	N-6		
CN137	M-8		
CN138	N-8		
CN139	N-8		
CN140	P-9		
CN150	M-9		
CN152	P-9		
CN153	A-4		
CN155	M-8		
CN156	A-2		
CN157	B-2		
CN158	A-1		
CN159	C-2		
CN160	C-5		
CN161	C-10		
CN162	D-11		
CN163	M-10		
CN164	C-10		
CN165	C-9		
CN166	D-11		
CN167	A-2		
CN168	C-9		
CN169	D-10		
CN170	D-10		
CN171	D-7		
CN172	C-9		
CN174	K-11		
CN175	D-7		
CN220	F-5		
CN221	G-5		
CN222	H-5		
CN223	K-5		
CN224	L-5		
CN225	N-5		

MB-127A — COMPONENT SIDE
1-622-713-15(1)
BVU-900

CP-109A; CONNECTOR PANEL

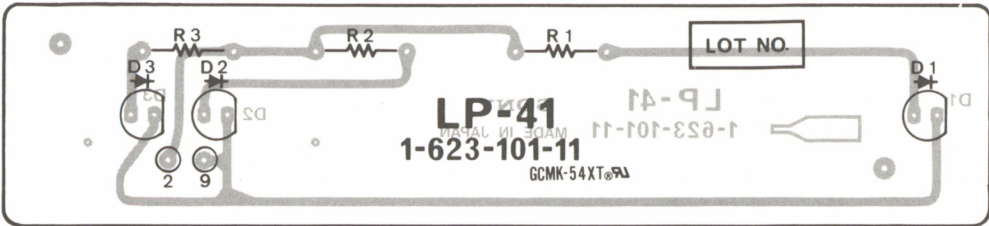


CP-109A — COMPONENT SIDE —
1-622-706-21(1)
BVU-900

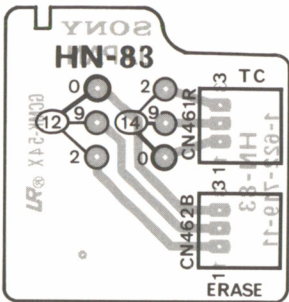
HN-83, LP-41, RM-45

HN-83, LP-41, RM-45

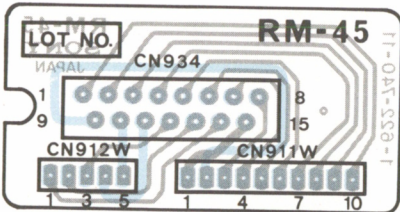
HN-83; RELAY BOARD FOR TIME CODE HEAD
LP-41; CASSETE COMPARTMENT LIGHT
RM-45; TBC REMOTE CONTROL



LP-41 —COMPONENT SIDE—
1-623-101-11(1)
BVU-900



HN-83 —COMPONENT SIDE—
1-622-719-11(1)
BVU-900



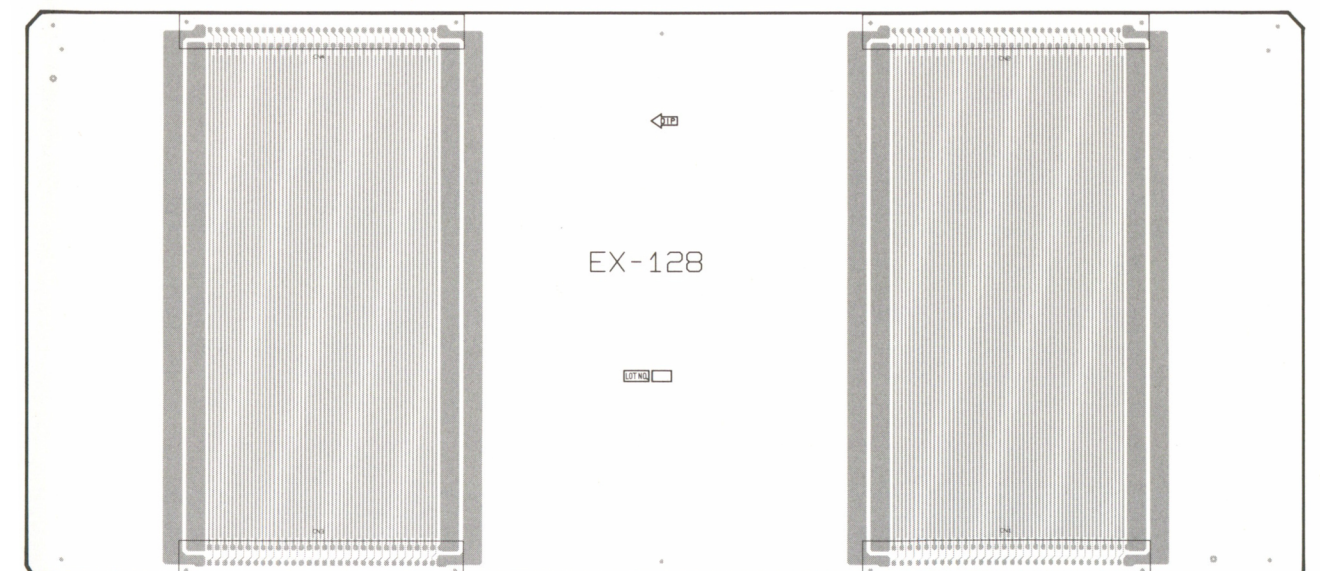
RM-45 —COMPONENT SIDE—
1-622-740-11(1)
BVU-900

EX-127; EXTENSION BOARD FOR AUDIO/TIME CODE

EX-128; EXTENSION BOARD FOR VIDEO/SERVO/TBC



EX-127 — COMPONENT SIDE —
1-622-711-11(1)
BVU-900




EX-128 — COMPONENT SIDE —
1-622-712-11(1)
BVU-900

SECTION 18

SPARE PARTS AND FIXTURE

18-1. PARTS INFORMATION

(1)

The shaded and -marked components are critical to safety.

Replace only with same components as specified.

- (2) Replacement Parts supplied from the Sony Parts Center will sometimes have a different shape from the original parts. This is due to "improved parts and/or engineering changes" or "standardization of genuine parts".

This manual's exploded views and electrical spare parts list indicate the part numbers of "the standardized genuine parts at the present". Regarding engineering part changes by the engineering department, refer to Sony service bulletins and service manual supplements.

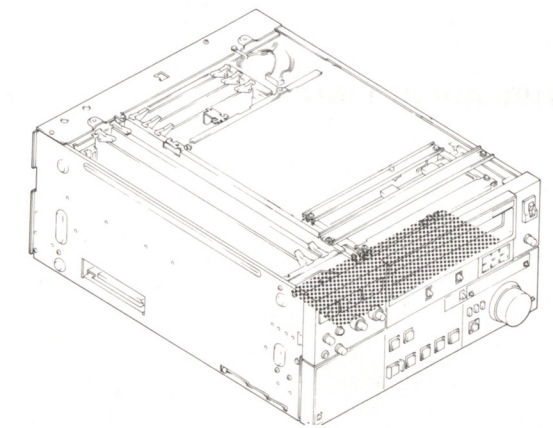
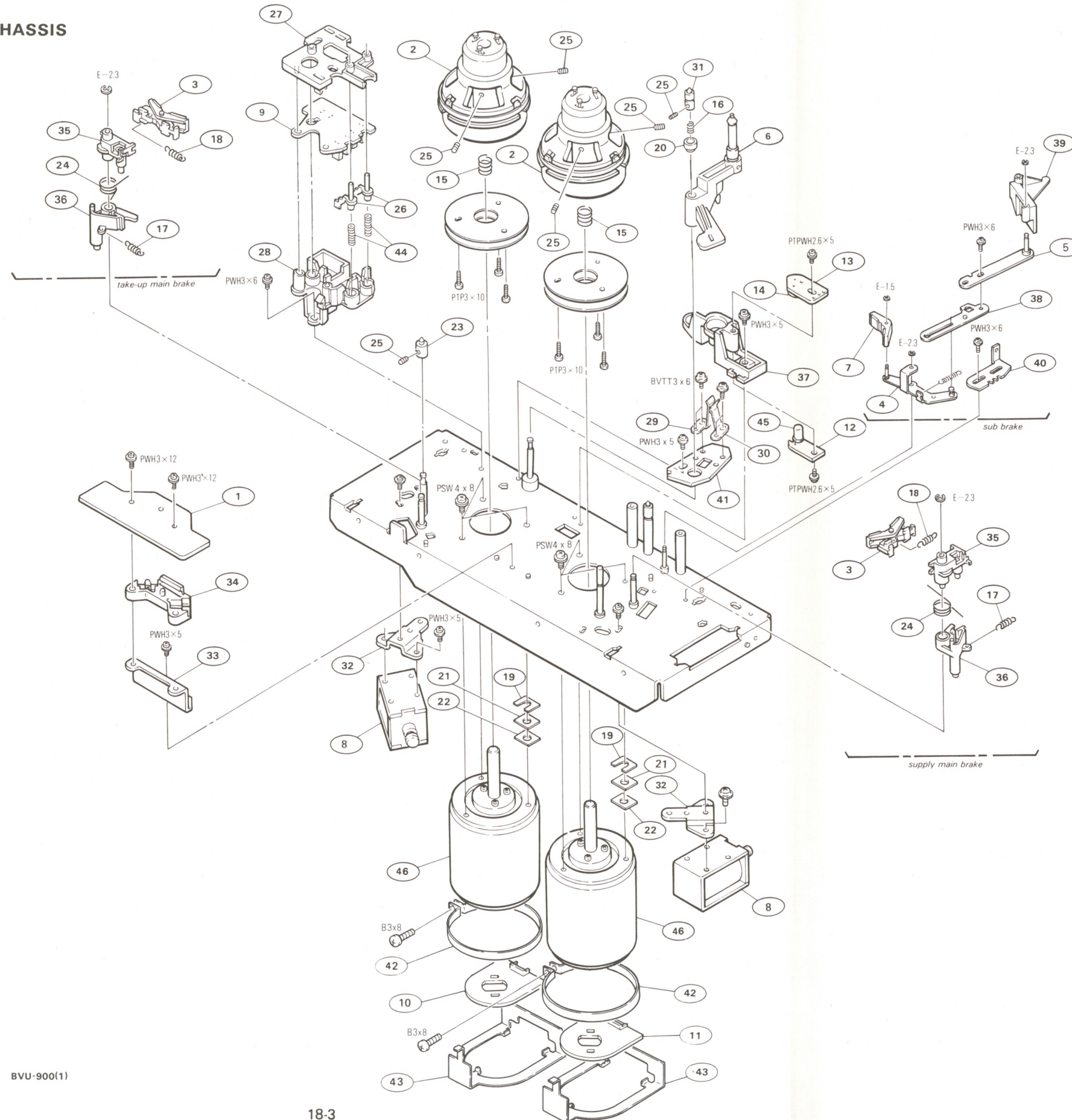
- (3) The parts marked with "s" in the SP column of the exploded views and electrical spare parts lists are normally stocked for replacement purposes. The parts marked with "o" in the SP column are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.
- (4) Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- (5) (T) after a spring description is shown on the exploded views in order to indicate the number of spring turns required for the use. (Example)
Spring, tension (24T); This spring must be cut at its 24th turn for actual use.

18-2. EXPLODED VIEW

. Exploded views are composed of the following blocks.

- | | |
|---|-----------------------------------|
| (1) Reel Chassis | (7) Cassette-up Compartment Block |
| supply reel table | (8) Function Control |
| take-up reel table | function control board |
| supply main brake | search dial |
| take-up main brake | (9) Level Control |
| sub brake | level control board |
| take-up tension detector | level meter |
| TRC detector | power sw |
| reel motors | (10) Chassis Block (Rear) |
| reel table rotation detector | printed circuit boards |
| (2) Threading Ring Block | (11) Chassis Block (Left) |
| threading ring | printed circuit boards |
| gear box | left side panel |
| T correction guide | (12) Chassis Block (Right) |
| tape beginning sensor | printed circuit boards |
| FR detector | (13) Chassis Block (Bottom) |
| (3) Threading Arm | printed circuit boards |
| T drawer arm | (14) Chassis Block (Front) |
| S drawer arm | TBC control board |
| S drawer roller | cassette-up compartment stay |
| drawer lever | (15) Connector Panel |
| (4) Drum and Capstan Blocks | (16) Rear Panel |
| head drum | fan motor |
| capstan motor | AC inlet |
| audio/ CTL head | remote connector |
| tape guides | (17) Switching Regulator |
| (5) EN Base Block | (18) Ornamental Panel (1) |
| Time Code Head | function control panel |
| S guard | search dial |
| supply tension detector | (19) Ornamental Panel (2) |
| (6) Pinch Lever and Pinch Solenoid Blocks | level control panel |
| pinch lever | (20) Ornamental Panel (3) |
| pinch roller pre-set cam | U case |
| pinch solenoid | bottom plate |

1. REEL CHASSIS

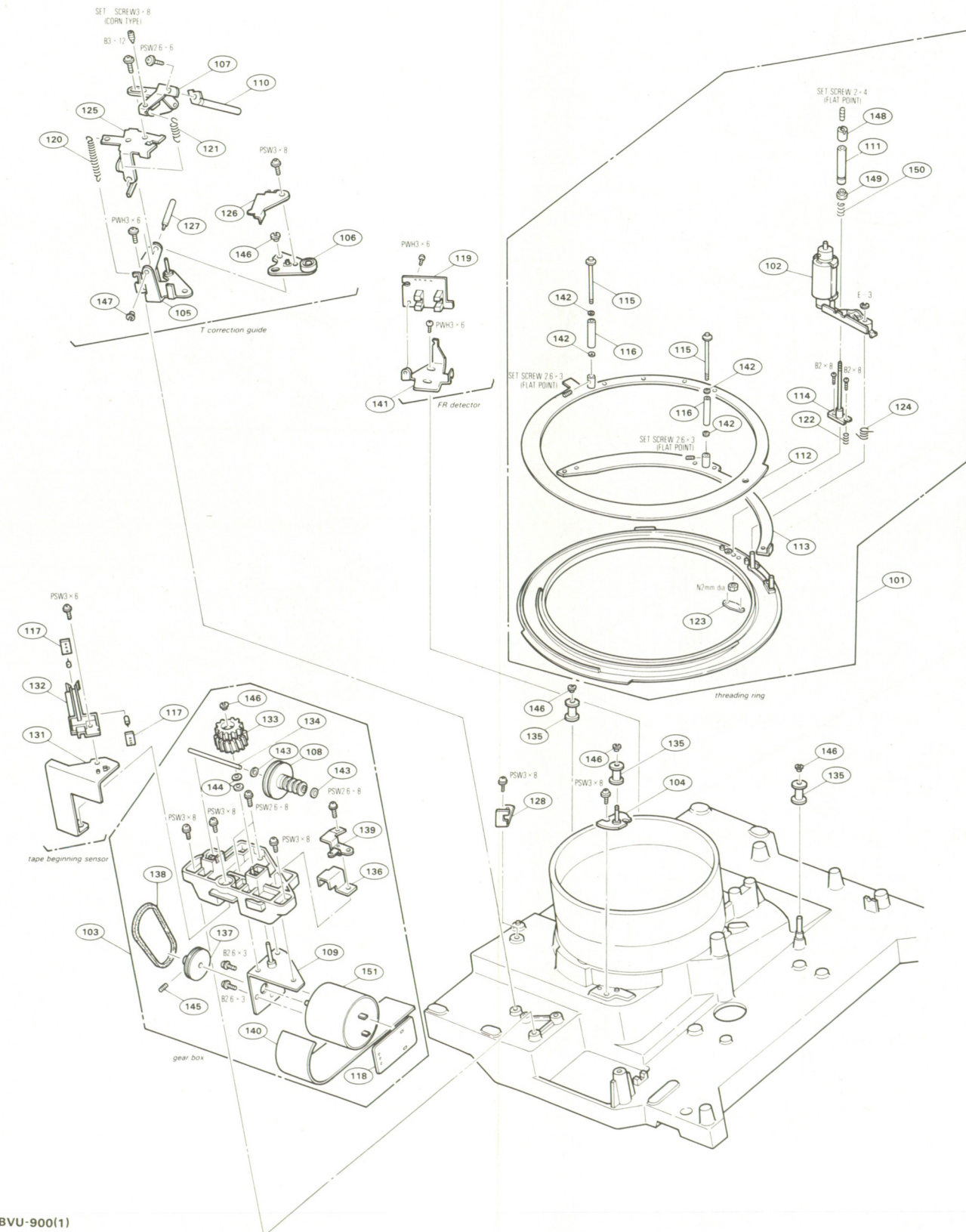
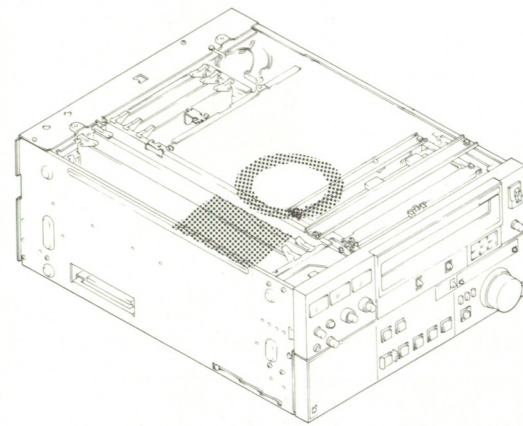


No.	Parts No.	SP	Description
1	A-6729-496-A	o	MOUNTED CIRCUIT BOARD, SE-48
2	A-6739-080-A	s	TABLE ASS'Y, REEL
3	X-3668-749-0	s	HOLDER ASS'Y, LINING
4	X-3718-628-1	o	ARM ASS'Y, SUB BRAKE
5	X-3718-629-1	o	RINK ASS'Y, BRAKE RELEASE
6	X-3718-630-1	s	ARM ASSY, T SENSOR
7	X-3718-641-1	s	LINING ASS'Y
8	1-454-417-31	s	SOLENOID, PLUNGER
9	1-622-260-11	o	PRINTED CIRCUIT BOARD, PTC-30
10	1-622-715-11	o	PRINTED CIRCUIT BOARD, DUS-177
11	1-622-716-11	o	PRINTED CIRCUIT BOARD, DUS-178
12	1-622-717-11	o	PRINTED CIRCUIT BOARD, LE-54
13	1-622-718-11	o	PRINTED CIRCUIT BOARD, PTC-29
14	1-806-232-21	s	DETECTOR MB-1102/S.N
15	2-083-308-00	s	SPRING, (B)
16	3-307-932-00	s	SPRING, COMPRESSION
17	3-535-369-XX	s	SPRING, TENSION (12T)
18	3-548-124-00	s	SPRING, TENSION
19	3-630-035-11	s	SPACER, REEL MOTOR (0.02T)
20	3-650-512-00	s	COLLAR, (A)
21	3-651-203-11	s	SPACER, REEL MOTOR (0.05T)
22	3-651-203-21	s	SPACER, REEL MOTOR (0.1T)
23	3-668-031-00	o	RETAINER (UPPER), CASSETTE
24	3-668-966-00	s	SPRING
25	3-701-506-01	s	SET SCREW, DOUBLE POINT 3X4
26	3-718-307-01	s	ACTUATOR, TRC
27	3-718-342-01	o	TRC BOX (UPPER)
28	3-718-343-01	o	TRC BOX (LOWER)
29	3-718-629-01	o	SPRING (1), LEAF, T
30	3-718-630-03	o	SPRING (2), LEAF, T
31	3-718-660-01	o	RETAINER (TF), CASSETTE
32	3-718-673-01	o	SUSPENDER, BS
33	3-718-686-01	o	STAND, B
34	3-718-700-01	o	HOLDER, DME
35	3-718-712-01	o	ARM, BRAKE
36	3-718-713-01	o	ARM, BRAKE RELEASE
37	3-718-741-01	s	HOLDER, T-CDS
38	3-718-764-01	o	RINK (A), BRAKE RELEASE
39	3-718-766-01	o	ARM, DRIVING
40	3-718-767-01	o	SCALE, POWER
41	3-718-770-01	o	BASE, T SPRING
42	3-718-795-01	o	BAND, M
43	3-718-796-01	o	HOLDER, M PC BOARD
44	4-858-779-00	s	SPRING, COMPRESSION
45	8-719-930-20	s	DIODE HLMP-1302
46	8-835-255-01	s	MOTOR, DC R432278181A

THREADING RING BLOCK

THREADING RING BLOCK

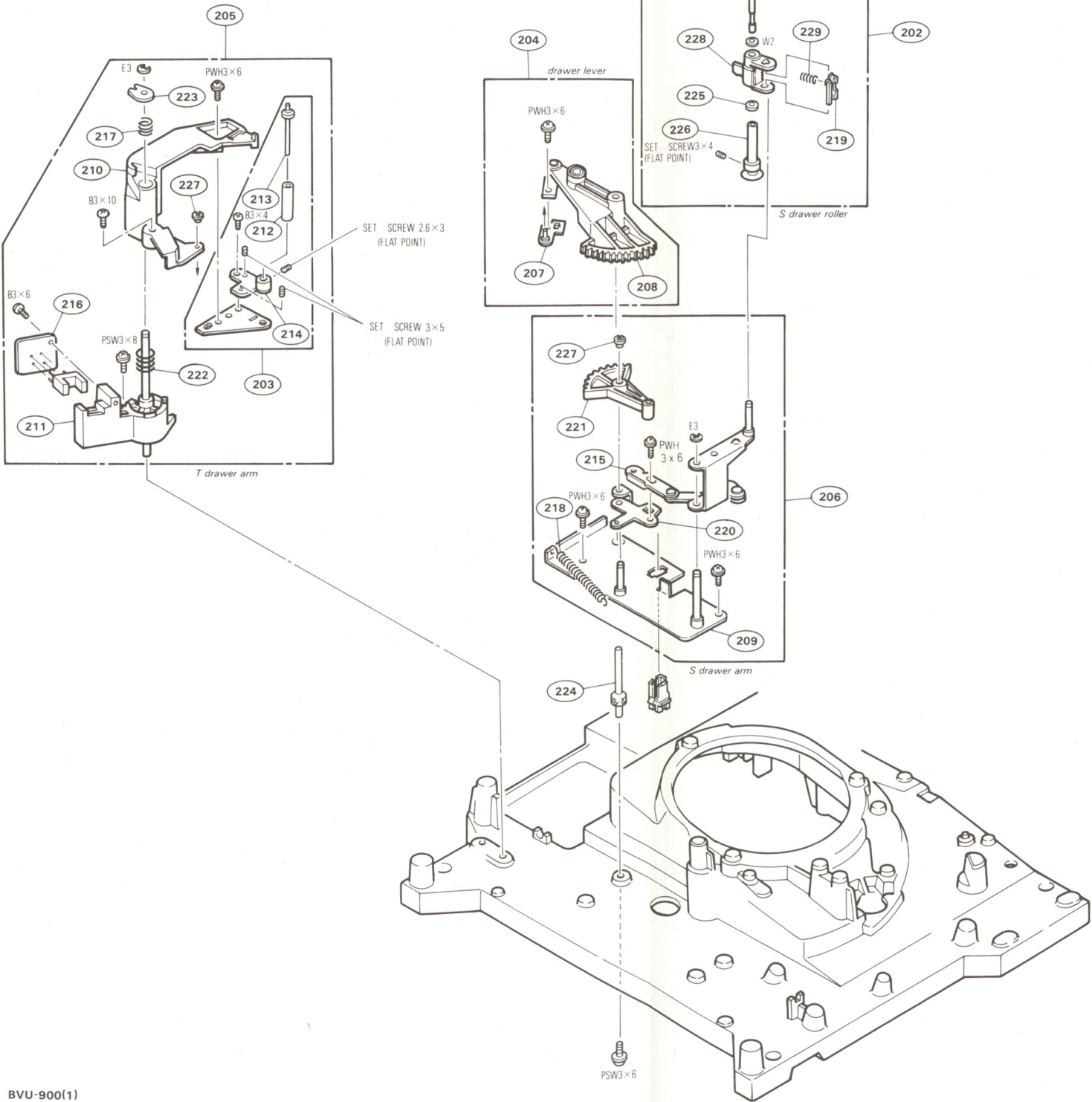
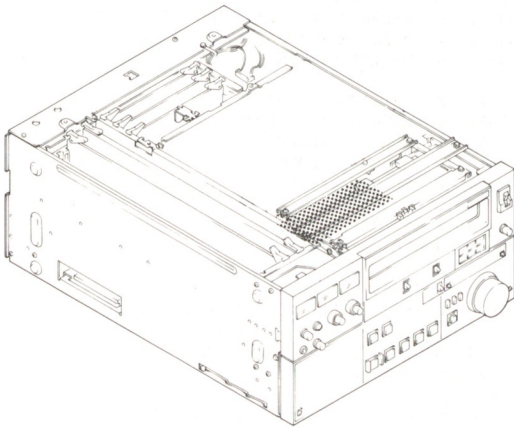
2. THREADING RING BLOCK



BVU-900(1)

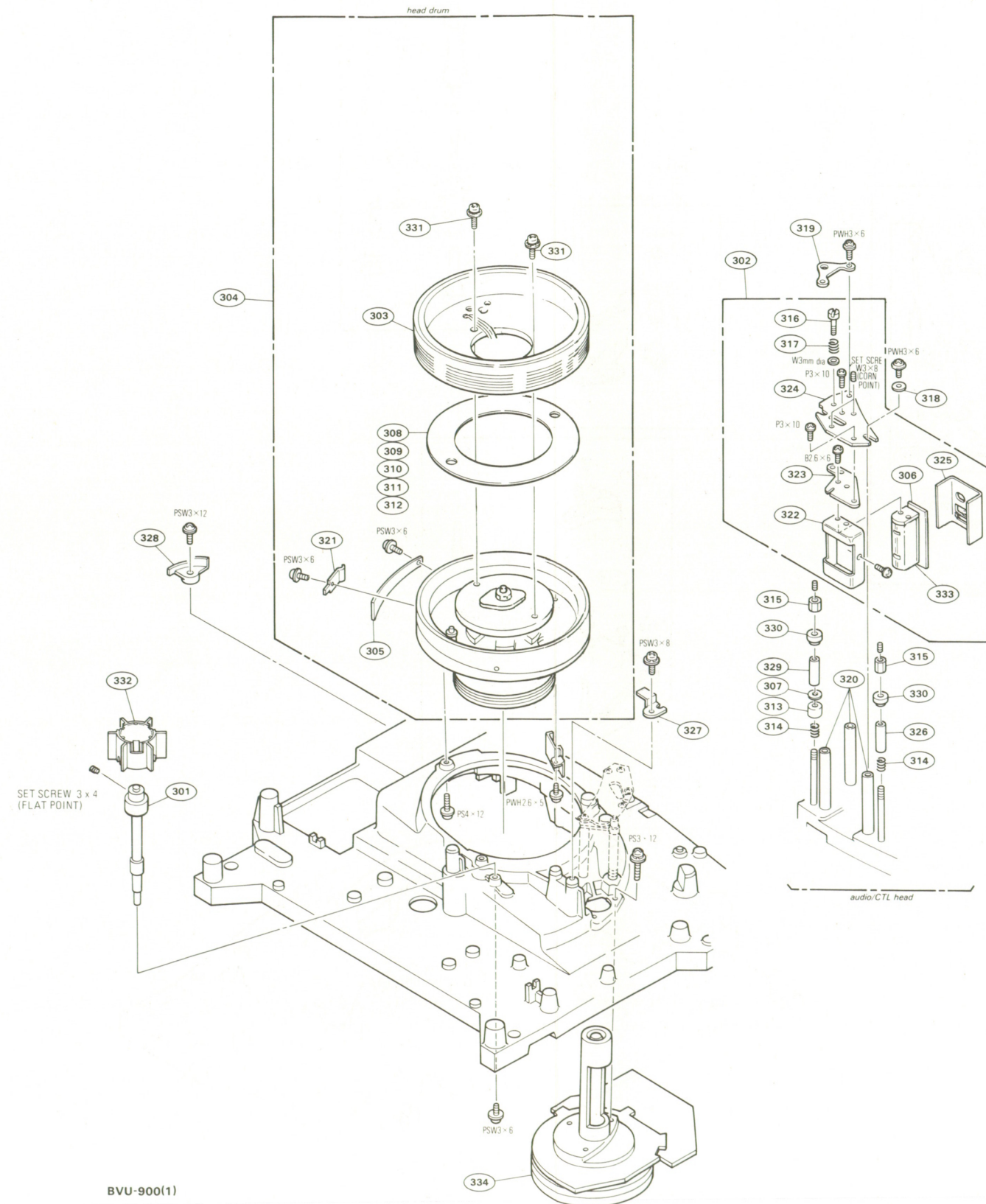
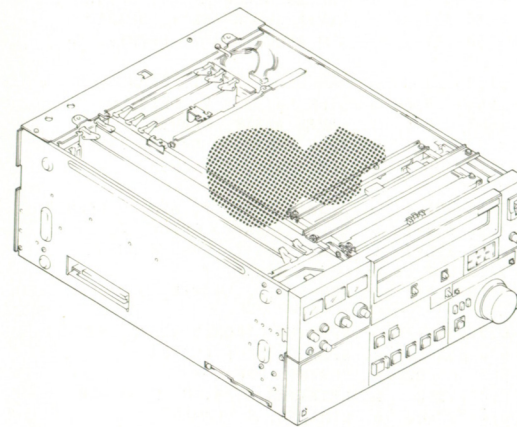
No.	Parts No.	SP	Description
101	A-6750-222-A	s	RING BLOCK ASS'Y, MAIN
102	A-6750-223-A	s	PINCH ROLLER BLOCK ASS'Y
103	A-6750-224-A	s	BOX BLOCK ASS'Y, GEAR
104	X-3668-719-0	o	ROLLER ASS'Y, RING
105	X-3668-721-0	o	CHASSIS ASS'Y, GUIDE
106	X-3668-722-0	s	LOCKER ASS'Y, FR
107	X-3668-723-2	o	ARM ASS'Y, GUIDE, T CORRECTION
108	X-3668-743-0	s	PULLY ASS'Y, WORM
109	X-3672-704-1	o	BRACKET ASS'Y, MOTOR
110	X-3672-718-2	s	SHAFT ASS'Y, GUIDE
111	X-3718-602-1	s	ROLLER ASS'Y, GUIDE PRECEDING
112	X-3718-604-1	o	RING (UPPER) ASS'Y, SUB
113	X-3718-605-1	o	RING (LOWER) ASS'Y, SUB
114	X-3718-606-1	o	BASE ASS'Y, PRECEDING
115	X-3718-607-1	s	SHAFT ASS'Y, RG
116	X-3718-614-1	s	GUIDE ASS'Y, TAPE
117	1-603-737-00	o	PRINTED CIRCUIT BOARD, PH-5
118	1-618-600-11	o	PRINTED CIRCUIT BOARD, LM-13
119	1-622-258-11	o	PRINTED CIRCUIT BOARD, PTC-33
120	3-143-067-00	s	SPRING, TENSION
121	3-437-289-00	s	SPRING, TENSION
122	3-634-196-00	s	SPRING
123	3-668-743-00	o	NUT, PLATE, ROLLER, PRECEDING
124	3-668-745-00	s	SPRING
125	3-668-749-02	o	ARM (A), GUIDE, T CORRECTION
126	3-668-753-00	o	PLATE, ADJUSTMENT, FR, LOCKER
127	3-668-754-00	o	SHAFT, GUIDE ARM, T CORRECTION
128	3-668-755-00	o	PLATE, STOPPER, SR
131	3-668-900-00	o	BRACKET, T SENSOR
132	3-668-901-00	o	HOLDER, T PHOTO
133	3-668-947-00	s	PINION, L
134	3-668-948-00	o	SHAFT, WORM
135	3-668-963-00	s	ROLLER, RING
136	3-669-960-00	o	RETAINER, SHAFT
137	3-672-736-01	s	PULLEY, LM
138	3-672-737-01	s	BELT, SQUARE
139	3-672-738-01	o	PLATE, GROUND, SLED
140	3-672-739-01	o	BELT, LM SHIELD
141	3-672-790-01	o	BRACKET, FR DETECTION
142	3-701-437-11	s	WASHER, POLY 2 MM DIA., 0.25T
143	3-701-437-21	s	WASHER, POLY 2 MM DIA., 0.5T
144	3-701-439-21	s	WASHER, POLY 2 MM DIA., 0.5T
145	3-701-506-01	s	SET SCREW, DOUBLE POINT 3X4
146	3-703-074-00	s	CAP 3, SHAFT
147	3-703-075-00	s	CAP 2, SHAFT
148	3-718-633-01	s	FLANGE, UPPER, PRECEDING GUIDE
149	3-718-634-01	s	FLANGE, LOWER, PRECEDING GUIDE
150	3-838-774-00	o	SPRING
151	1-541-376-11	s	MOTOR, DC (DNR-4700A)

3. THREADING ARM



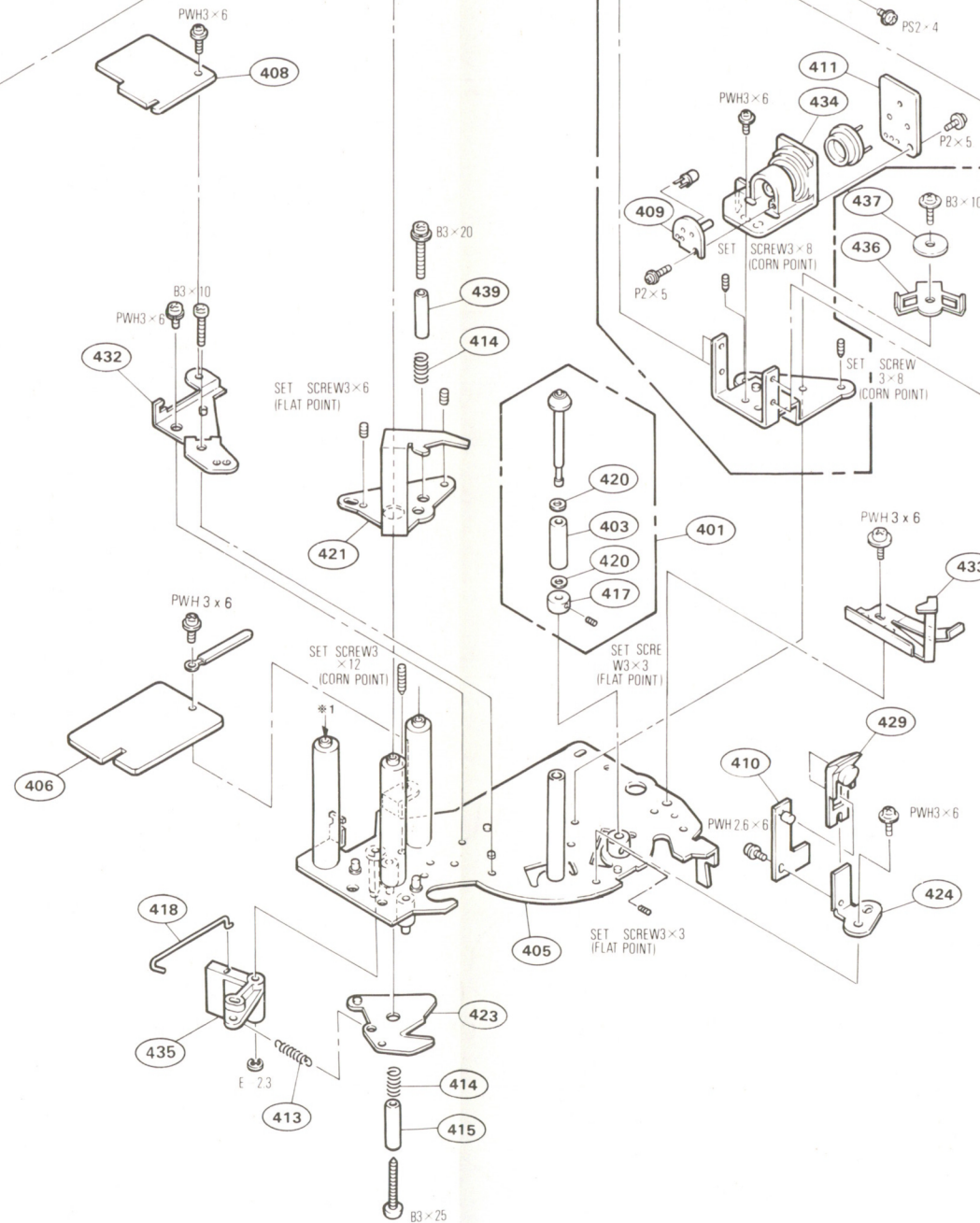
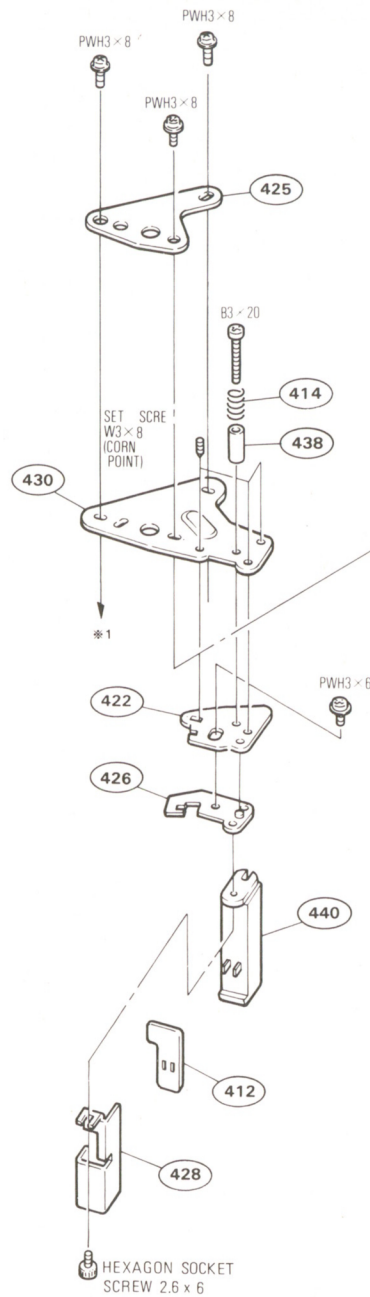
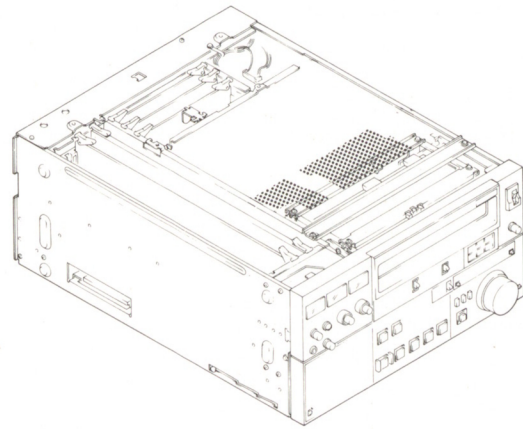
No.	Parts No.	SP	Description
201	A-6746-025-A	s	ROLLER BLOCK ASS'Y (1), S DRAWER
202	A-6746-050-C	s	ROLLER BLOCK ASS'Y, DRAWER, S
203	A-6746-051-A	s	ROLLER BLOCK ASS'Y, GUIDE, T
204	A-6750-202-A	o	LEVER BLOCK ASS'Y, DRAWER
205	A-6750-221-A	o	ARM BLOCK ASS'Y, DRAWER, T
206	A-6750-225-A	o	ARM BLOCK ASS'Y, DRAWER, S
207	X-3668-713-0	o	LINK (B) ASS'Y, DRIVING
208	X-3668-729-0	s	LEVER ASS'Y, DRAWER
209	X-3672-706-1	o	BASE ASS'Y, S DRAWER ARM
210	X-3672-708-1	o	ARM ASS'Y, T DRAWER
211	X-3718-305-1	o	RETAINER ASS'Y, ARM, T DRAWER
212	X-3718-603-1	s	ROLLER ASS'Y, GUIDE, RG
213	X-3718-610-1	s	SHAFT ASS'Y, DRAWER GUIDE
214	X-3718-612-1	o	GUIDE ASS'Y, T
215	X-3718-615-1	o	ARM ASS'Y, DRAWER, S
216	1-622-259-11	o	PRINTED CIRCUIT BOARD, PTC-34
217	3-534-854-00	s	SPRING, COMPRESSION
218	3-540-506-00	s	SPRING, TENSION
219	3-668-718-00	s	RETAINER, SPRING, S DRAWER
220	3-668-720-00	o	LIMITER, S DRAWER
221	3-668-721-00	s	ARM, S DRIVING
222	3-668-734-00	o	SPRING
223	3-668-735-00	s	RETAINER, SPRING
224	3-668-760-00	o	SHAFT, DRAWER LEVER
225	3-669-946-00	s	RING (P4), O
226	3-669-974-00	s	HOLDEER (L), S GUIDE
227	3-703-074-00	s	CAP 3, SHAFT
228	3-718-701-02	s	HOLDER (M), S GUIDE
229	3-718-773-01	s	SPRING, COMPRESSION

4. DRUM AND CAPSTAN BLOCKS



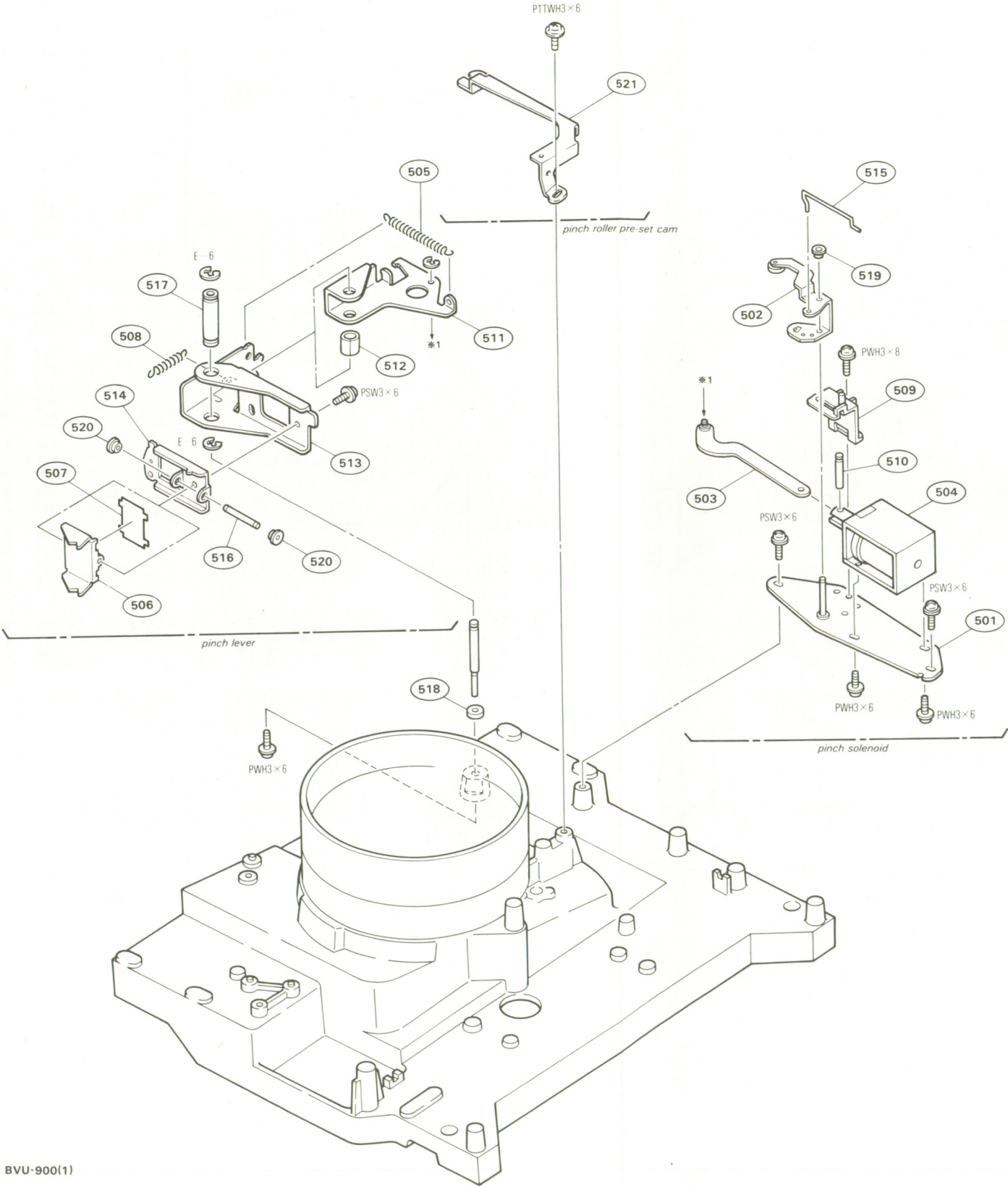
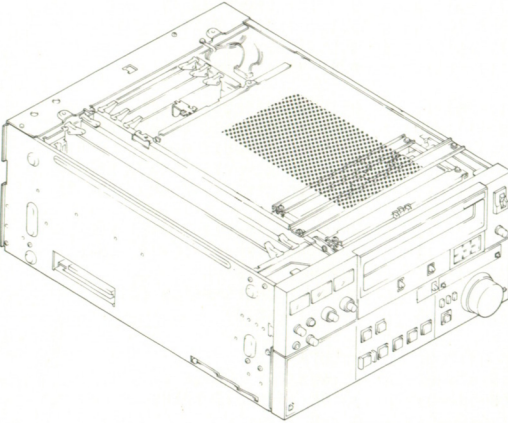
No.	Parts No.	SP	Description
301	A-6746-054-A	s	ROLLER ASS'Y, GUIDE, TAPE
302	A-6736-085-A	o	HEAD BLOCK ASS'Y, AUDIO
303	A-6709-636-A	s	UPPER DRUM ASS'Y, DUR-45-R
304	A-6709-634-A	s	HEAD DRUM ASS'Y, DUH-45A-R
305	1-586-633-00	s	DETECTOR, DEW
306	1-615-924-11	o	PRINTED CIRCUIT BOARD, DUS-92
307	3-534-329-11	s	WASHER, TAPE GUIDE
308	3-630-029-01	s	SPACER, FLANGE (0.01T)
309	3-630-029-11	s	SPACER, FLANGE (0.02T)
310	3-630-029-21	s	SPACER, FLANGE (0.05T)
311	3-630-029-31	s	SPACER, FLANGE (0.1T)
312	3-630-029-41	s	SPACER, FLANGE (0.03T)
313	3-641-612-00	s	GUIDE, TAPE
314	3-641-615-00	s	SPRING, COMPRESSION
315	3-641-616-00	s	NUT, TAPE GUIDE ADJUSTMENT
316	3-641-621-00	o	SCREW, HEAD ADJUSTMENT
317	3-641-622-00	s	SPRING, COMPRESSION
318	3-645-076-00	o	WASHER, M-REEL S
319	3-647-815-00	o	PLATE, ADJUSTMENT, CTL HEAD
320	3-647-816-00	o	POLE, SUPPORT, CTL BRACKET
321	3-655-631-00	o	TERMINAL, GROUND
322	3-655-675-02	o	CASE (F), AU
323	3-655-676-01	o	BRACKET (A), CTL HEAD
324	3-655-677-01	o	BRACKET (B), CTL HEAD
325	3-655-678-03	o	CASE (B), AU
326	3-672-978-02	s	GUIDE (B), TAPE
327	3-672-762-01	o	PIN, DRUM
328	3-672-763-01	o	CAM, P OFFSET PREVENTION
329	3-672-731-01	s	TG-4
330	3-688-807-01	s	FLANGE, TAPE GUIDE
331	3-703-467-00	s	SCREW
332	3-718-758-01	s	DAMPER, AIR
333	8-825-772-81	s	HEAD, AC (PS264-5803A)
334	8-835-258-01	s	MOTOR, DC BHF-1915B

5. EN BASE BLOCK



No.	Parts No.	SP	Description
401	A-6046-063-A	s	ROLLER BLOCK ASS'Y, G
402	A-6742-063-A	s	S-T (D) BLOCK ASS'Y
403	X-3668-727-0	o	GUIDE ASS'Y, TAPE
404	X-3718-611-1	s	ROLLER ASS'Y, TD
405	X-3718-621-2	o	BASE ASS'Y, EN
406	1-622-261-11	o	PRINTED CIRCUIT BOARD, DUS-47
407	1-603-737-00	o	PRINTED CIRCUIT BOARD, PH-5
408	1-622-719-11	o	PRINTED CIRCUIT BOARD, HN-83
409	1-622-720-11	o	PRINTED CIRCUIT BOARD, LE-53
410	1-622-721-11	o	PRINTED CIRCUIT BOARD, PTC-26
411	1-622-722-11	o	PRINTED CIRCUIT BOARD, PTC-28
412	1-622-726-11	o	PRINTED CIRCUIT BOARD, HN-84
413	3-535-531-00	s	SPRING, TEISION
414	3-637-335-00	s	SPRING, COMPRESSION (C)
415	3-657-086-00	o	SPACER (3X20)
416	3-668-837-00	o	HOLDER, LED
417	3-668-874-00	s	FLANGE (1), LOWER
418	3-668-884-03	o	JOINT, RESERVE PRESS
419	3-672-764-03	s	GUARD, S
420	3-701-438-11	s	WASHER, POLY 2.5 MM DIA., 0.25T
421	3-718-622-01	s	HOLDER (UPPER), S
422	3-718-623-01	o	PLATE, TC
423	3-718-624-01	s	HOLDER (LOWER), S
424	3-718-639-01	o	BASE, S SENSOR
425	3-718-641-01	o	PLATE, ADJUSTMENT, Y
426	3-718-644-01	o	PLATE, BLANCE
427	3-718-645-01	o	BRACKET, HOLDER
428	3-718-646-01	o	SHIELD, TC HEAD
429	3-718-647-01	o	HOLDER, S SENSOR
430	3-718-649-01	o	PLATE, Y
431	3-718-674-01	o	SHAFT, TD ROLLER
432	3-718-676-01	o	BASE, E HEAD
433	3-718-722-01	o	PLATE, GROUND
434	3-718-723-02	o	HOLDER, S-CDS
435	3-718-766-01	o	ARM, DRIVING
436	3-718-769-01	o	SPRING
437	4-302-315-00	o	WASHER
438	4-855-006-01	s	SPACER (3X12)
439	4-855-006-11	s	SPACER (3X14)
440	8-825-771-31	s	HEAD, TIME CODE, PP295-58

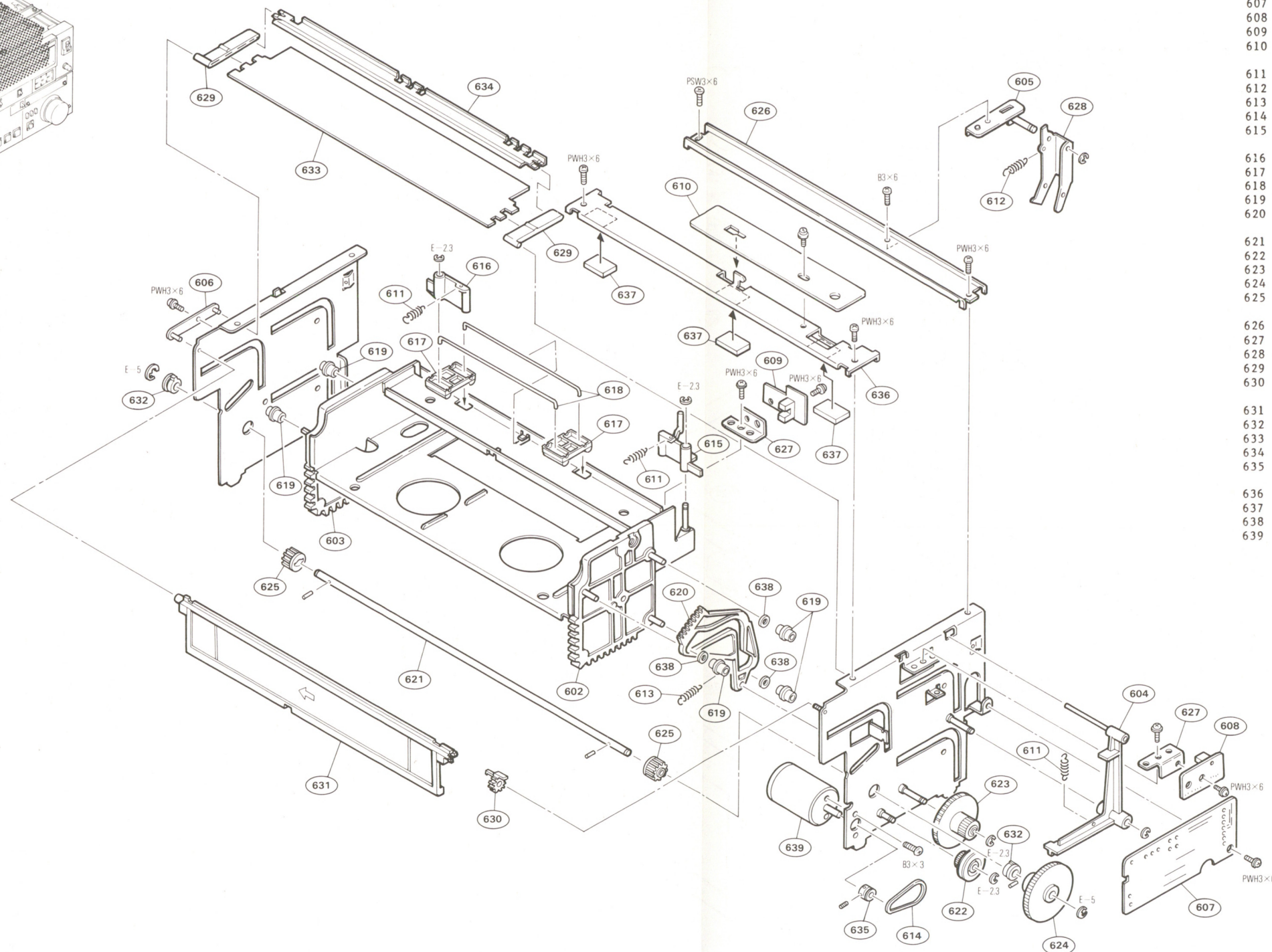
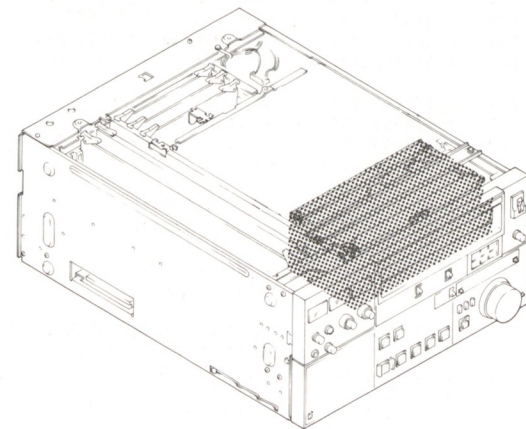
6. PINCH LEVER AND PINCH SOLENOID BLOCKS



No.	Parts No.	SP	Description
501	X-3668-734-0	o	BASE ASS'Y, PINCH PRESS
502	X-3668-735-3	s	LEVER ASS'Y, RESERVE PRESS
503	X-3668-736-0	o	JOINT ASS'Y
504	1-454-416-31	s	SOLENOID, PLUNGER
505	3-610-265-02	s	SPRING
506	3-642-518-00	o	LEVER, PINCH
507	3-642-519-00	o	SPRING
508	3-645-392-00	s	SPRING, TENSION
509	3-668-863-00	s	GUIDE, ARBOR
510	3-668-864-00	s	PIN, SOLENOID
511	3-668-865-00	o	LEVER (B), PINCH PRESS
512	3-668-867-00	o	SPACER (8X9)
513	3-668-868-00	o	LEVER (A), PINCH PRESS
514	3-668-883-00	o	PLATE, ADJUSTMENT, PINCH PRESS
515	3-668-884-03	o	JOINT, RESERVE PRESS
516	3-668-895-00	o	SHAFT
517	3-668-896-00	o	SLEEVE, PRESS LEVER, PINCH
518	3-672-733-01	o	TABLE SHAFT, PRESS LEVER
519	3-703-074-00	s	CAP 3, SHAFT
520	3-703-075-00	s	CAP 2, SHAFT
521	3-718-777-02	o	DECK, RESERVE PRESS

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7. CASSETTE-UP COMPARTMENT BLOCK



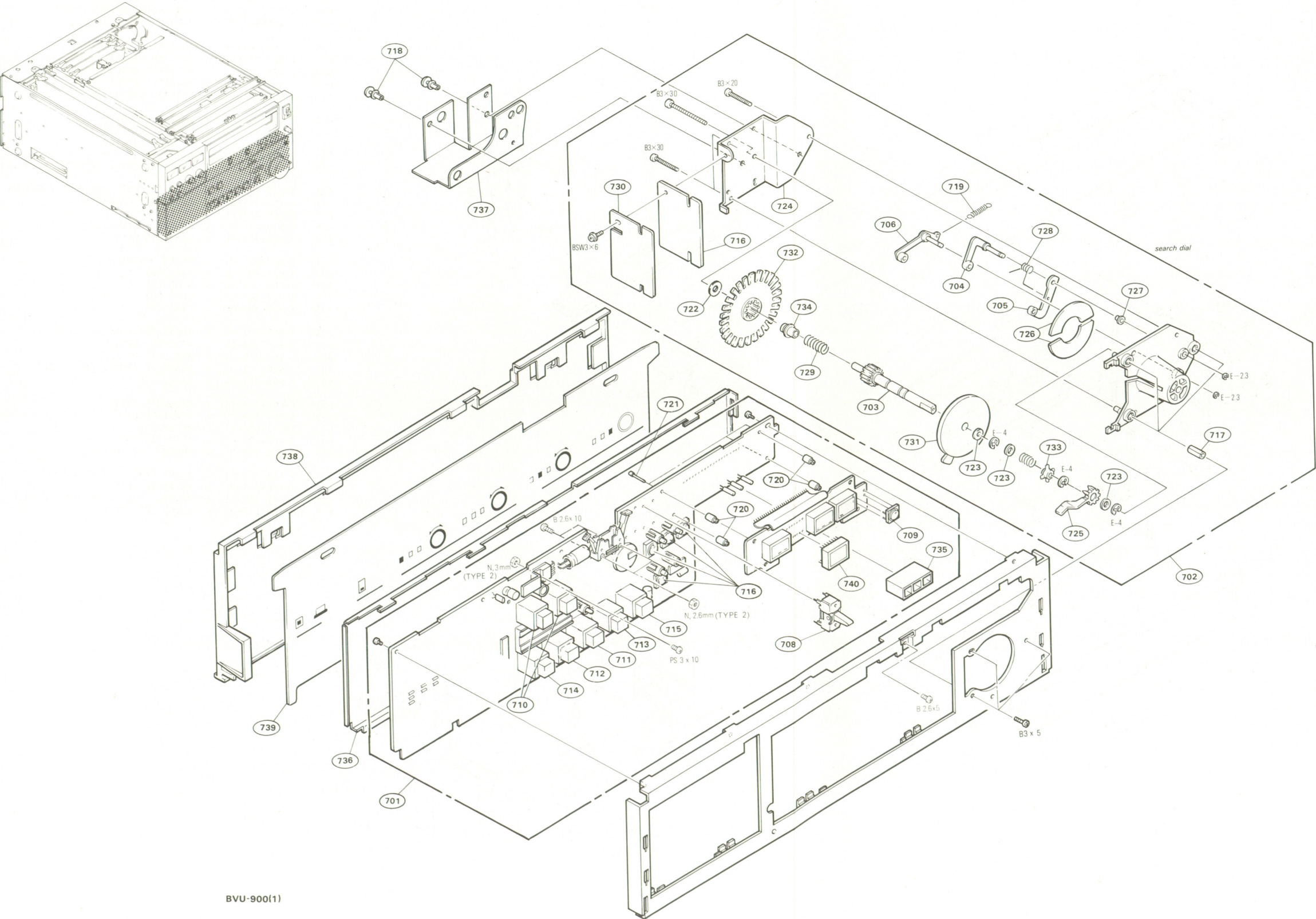
No.	Parts No.	SP	Description
601	A-6751-367-A	s	CASSETTE-UP BLOCK ASS'Y
602	X-3668-057-0	s	RACK ASS'Y, CASSETTE COMPARTMENT
603	X-3668-058-0	s	RACK ASS'Y, CASSETTE COMPARTMENT
604	X-3668-059-0	s	ARM ASS'Y, SWITCH, DOWN
605	X-3668-060-3	o	HOLDER ASS'Y, ARM
606	X-3668-061-0	o	SUPPORT ASS'Y, LID
607	1-622-255-11	o	PRINTED CIRCUIT BOARD, CC-31
608	1-622-256-11	o	PRINTED CIRCUIT BOARD, CC-32
609	1-622-257-11	o	PRINTED CIRCUIT BOARD, CC-33
610	1-623-101-11	o	PRINTED CIRCUIT BOARD, LP-41
611	3-507-051-00	s	SPRING, TENSION
612	3-534-217-11	s	SPRING, TENSION
613	3-536-780-11	s	SPRING, TENSION
614	3-653-387-00	s	BELT, LM
615	3-668-295-00	o	LEVER (RIGHT), CASSETTE PUSH-OUT
616	3-668-296-00	o	LEVER (LEFT), CASSETTE PUSH-OUT
617	3-668-297-00	s	RETAINER, CASSETTE
618	3-668-298-00	o	SPRING
619	3-668-299-00	s	ROLLER, GUIDE
620	3-668-300-00	o	CAM, LID OPEN
621	3-668-301-00	o	SHAFT, DRIVING
622	3-668-303-00	s	GEAR (A)
623	3-668-304-00	s	GEAR (B)
624	3-668-305-00	s	GEAR (C)
625	3-668-306-00	s	GEAR (D)
626	3-668-307-02	o	JOINT (R), LEFT & RIGHT
627	3-668-309-00	o	BRACKET, SWITCH
628	3-668-310-02	o	ARM, LID OPEN
629	3-668-313-02	s	FRAME, SUPPORT, REFLECTOR
630	3-668-315-02	s	GEAR, LID
631	3-668-371-11	s	LID, CASSETTE
632	3-668-474-00	s	BEARING (6)
633	3-672-604-11	s	REFLECTOR
634	3-672-639-03	s	BRACKET, LAMP
635	3-672-750-01	s	PULLEY (C), MOTOR
636	3-718-374-01	o	JOINT (F), LEFT & RIGHT
637	3-718-373-01	o	RETAINER, LID
638	3-701-439-21	s	WASHER, POLY 3 MM DIA., 0.5T
639	8-835-179-01	s	MOTOR, DC MCB2B15

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cassette-up compartment

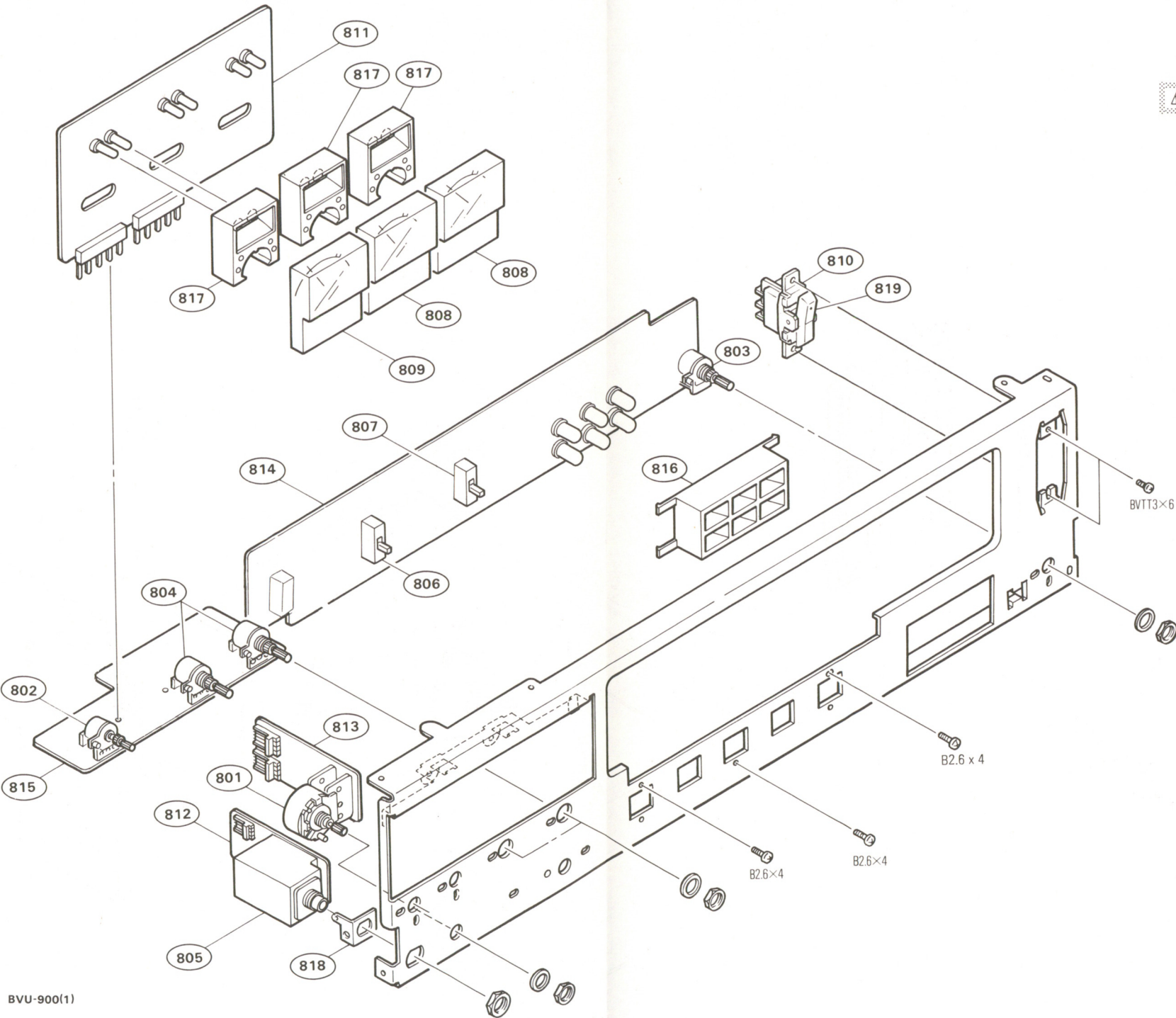
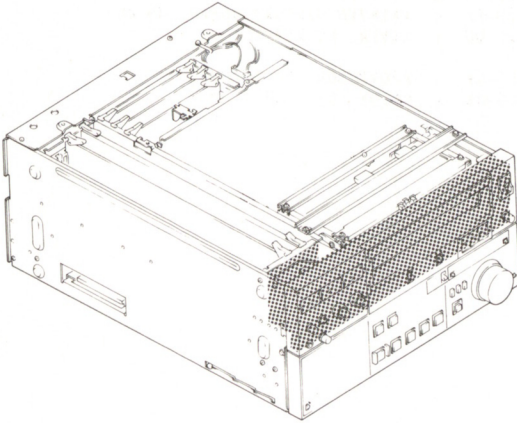
601

8. FUNCTION CONTROL



No.	Parts No.	SP	Description
701	A-6717-496-A	o	MOUNTED CIRCUIT BOARD, KY-144A
702	A-6734-238-B	s	DIAL BLOCK ASS'Y, SEARCH
703	X-3717-226-1	o	SHAFT SUB ASS'Y, MAIN
704	X-3717-227-1	o	ARM (RIGHT), ASS'Y, S10
705	X-3717-228-1	o	ARM (LEFT), ASS'Y, S10
706	X-3717-229-1	o	ARM ASS'Y, RETURN
708	1-516-995-00	s	SWITCH, LEVER SLIDE
709	1-552-539-00	s	SWICH, KEY BOARD
710	1-571-167-11	s	SWITCH, TACTIL
711	1-571-167-21	s	SWITCH, TACTIL
712	1-571-167-31	s	SWITCH, TACTIL
713	1-571-167-41	s	SWITCH, TACTIL
714	1-571-169-11	s	SWITCH, TACTIL
715	1-571-169-21	s	SWITCH, TACTIL
716	1-622-638-11	o	PRINTED CIRCUIT BOARD, PTC-32
717	2-280-622-11	o	SUPPORT (M3), HEXAGON
718	3-531-576-01	s	RIVET, NYLON
719	3-639-371-00	s	SPRING, TENSION
720	3-659-487-00	s	HOLDER, BUZER
721	3-659-488-00	s	PIN, BUZER HOLDER
722	3-662-048-00	s	WASHER, BRACKET
723	3-701-443-21	s	WASHER, POLY 5 MM DIA., 0.5T
724	3-717-315-01	o	PLATE, BOTTOM, SD
725	3-717-316-02	o	GUIDE, LOCK IN
726	3-717-317-01	o	PLATE, CLUCH
727	3-717-318-01	o	BEARING, S10
728	3-717-319-01	o	SPRING, TORSION
729	3-717-320-01	o	SPRING, COMPRESSION
730	3-717-321-01	o	PROTECTOR, PCT
731	3-717-417-01	o	CAM
732	3-717-418-01	o	PLATE
733	3-717-546-01	o	GUIDE, LOCK OUT
734	3-717-553-01	o	BEARING, SD
735	3-718-657-01	o	HOLDER, LED
736	3-718-740-01	o	PROTECTOR, KY
737	3-718-771-01	o	COVER (U), SD
738	3-718-792-01	o	HOLDER, SHEET
739	3-721-455-01	s	MENU SHEET
740	8-819-942-19	s	DIODE, LB-402VK

9. LEVEL CONTROL



BVU-900(1)

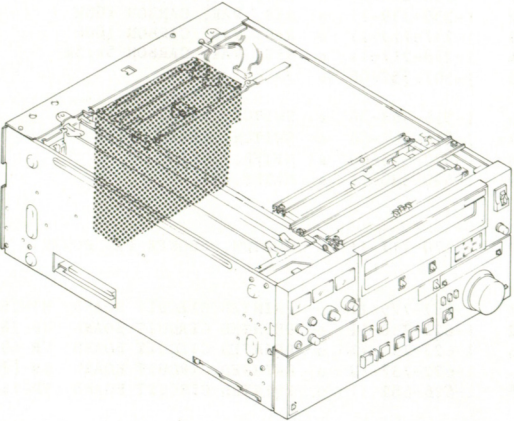
No.	Parts No.	SP	Description
801	1-228-218-00	s	RES, VAR, CARBON 500/500
802	1-230-339-11	s	RES, VAR, CARBON 100k
803	1-237-713-11	s	RES, VAR, CARBON 100k
804	1-238-217-11	s	RES, VAR, CARBON 5k/5k
805	1-507-552-00	s	JACK
806	1-516-963-00	s	SWITCH, LEVER SLIDE
807	1-516-961-00	s	SWITCH, LEVER SLIDE
808	1-520-393-00	s	METER, AUDIO
809	1-520-500-11	s	METER, RF

810	1-570-117-11	s	SWITCH, ROCKER (AC POWER)
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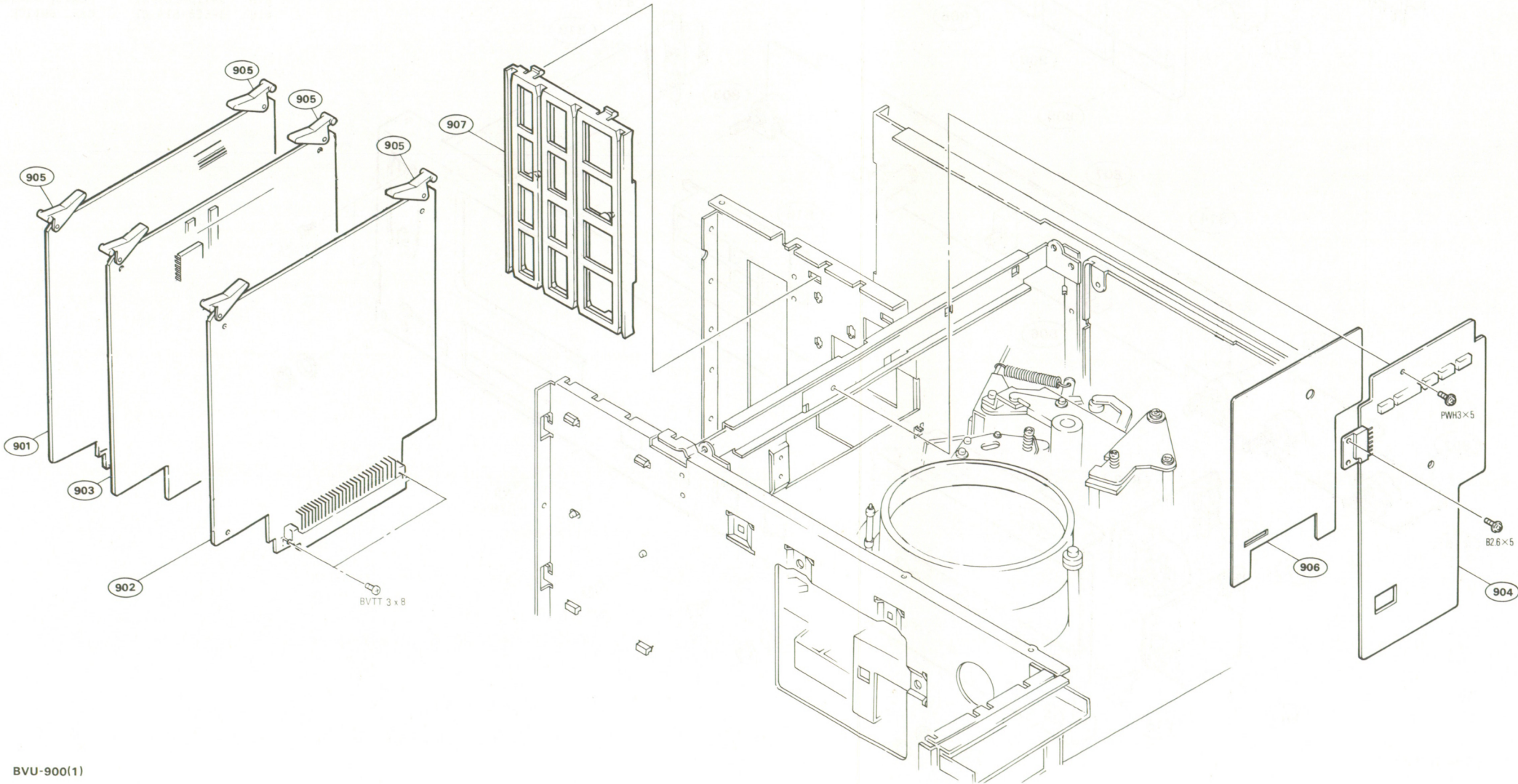
811	1-622-729-11	o	PRINTED CIECUIT BOARD, MT-28
812	1-622-730-11	o	PRINTED CIRCUIT BOARD, HP-28
813	1-622-731-11	o	PRINTED CIECUIT BOARD, VR-49
814	1-622-737-12	o	PRINTED CIRCUIT BOARD, SW-170
815	1-626-682-11	o	PRINTED CIRCUIT BOARD, VR-76

816	3-718-613-01	o	HOLDER (A), LAMP
817	3-718-614-01	o	HOLDER (B), LAMP
818	3-718-789-01	o	PLATE, GROUND, HP
819	3-688-814-01	s	CAP, SWITCH

10. CHASSIS BLOCK (REAR)

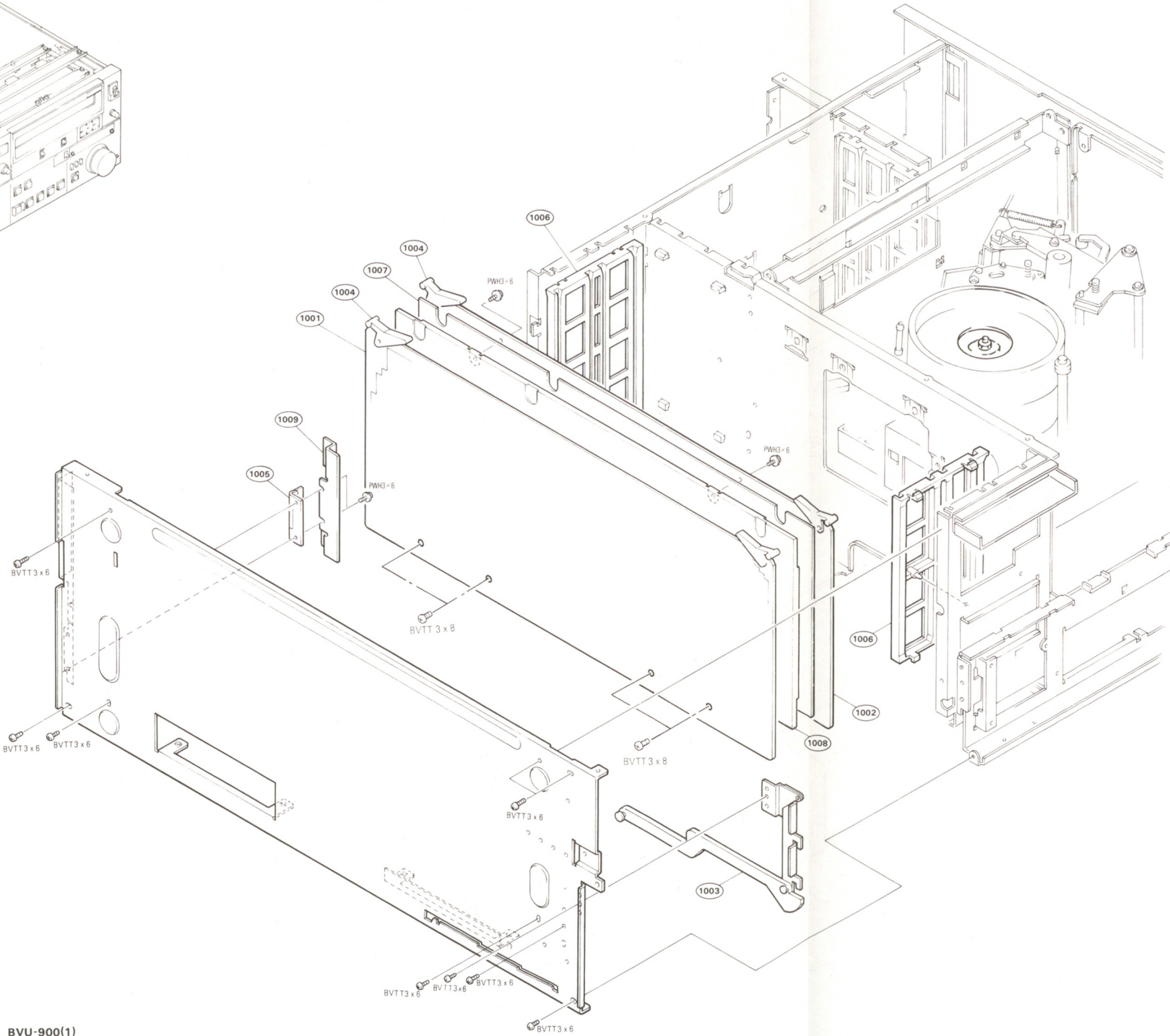
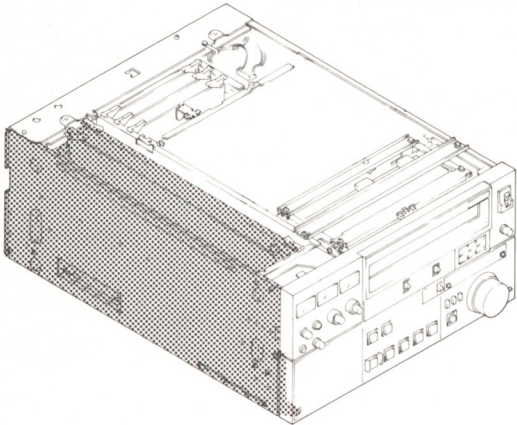


No.	Parts No.	SP	Description
901	A-6713-334-A	o	MOUNTED CIECUIT BOARD, AU-85C
902	A-6713-336-A	o	MOUNTED CIRCUIT BOARD, AP-23
903	A-6725-619-A	o	MOUNTED CIRCUIT BOARD, BC-11A
904	1-622-725-11	o	PRINTED CIRCUIT BOARD, HN-80
905	2-251-622-00	s	LEVER, PC BOARD
906	3-718-667-01	o	PROTECTOR, PC BOARD
907	3-718-709-01	o	GUIDE (B), PCB



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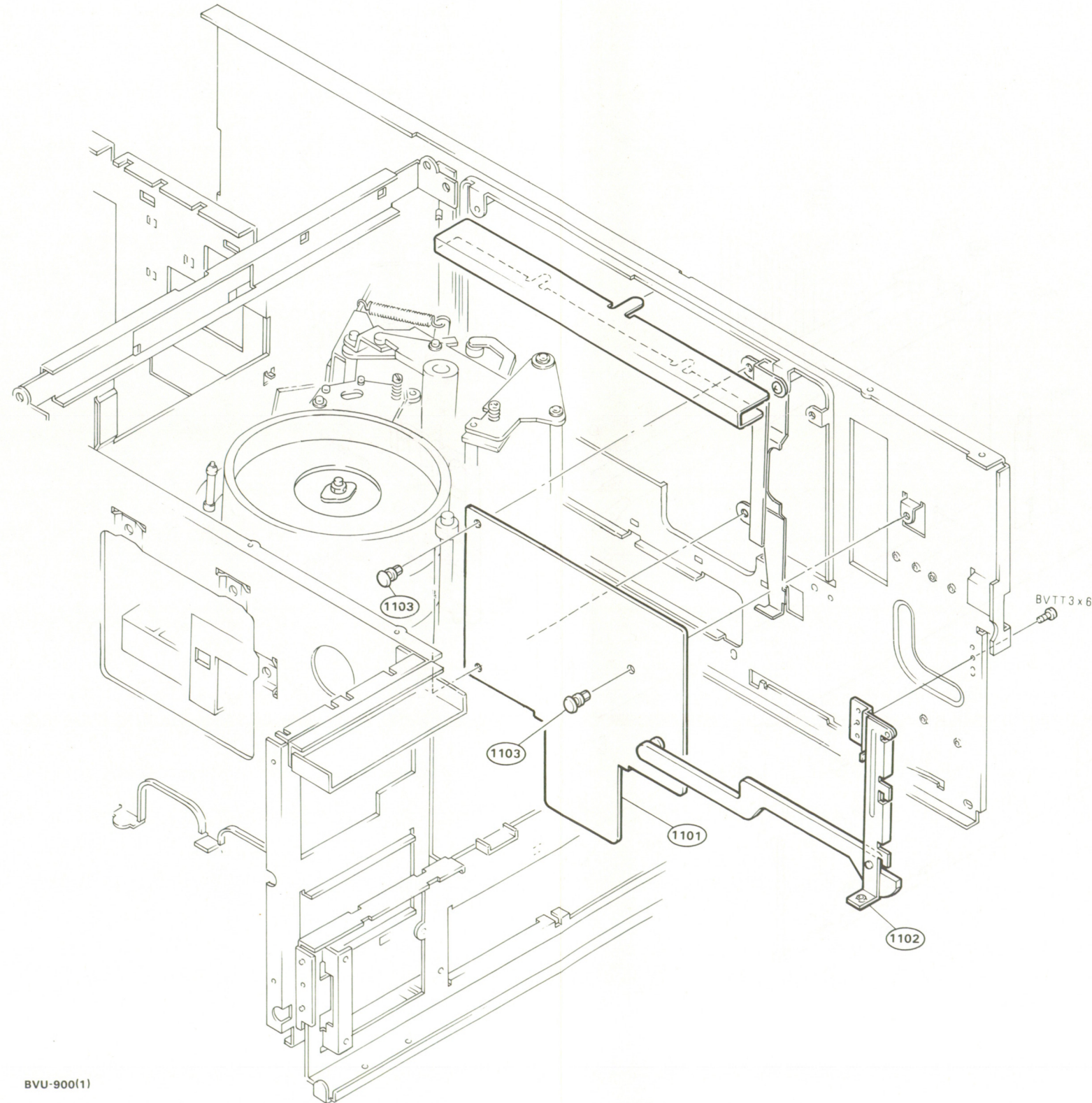
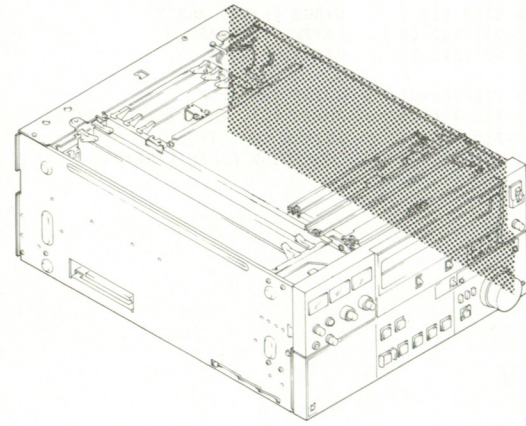
11. CHASSIS BLOCK (LEFT)



BVU-900(1)

No.	Parts No.	SP	Description
1001	A-6711-956-A	o	MOUNTED CIRCUIT BOARD, DM-54A
1002	A-6715-408-A	o	MOUNTED CIRCUIT BOARD, SV-88C
1003	X-3718-617-1	o	HINGE (LEFT) ASS'Y
1004	2-251-622-00	s	LEVER, PC BOARD
1005	3-651-875-00	s	HINGE, FRONT
1006	3-718-708-01	o	GUIDE (A), PCB
1007	3-718-714-01	o	SHEET (C), INSULATING, TBC
1008	3-718-738-01	o	SHIELD (C), TBC
1009	3-718-772-01	o	CONNECTOR PANEL (ASSIST)

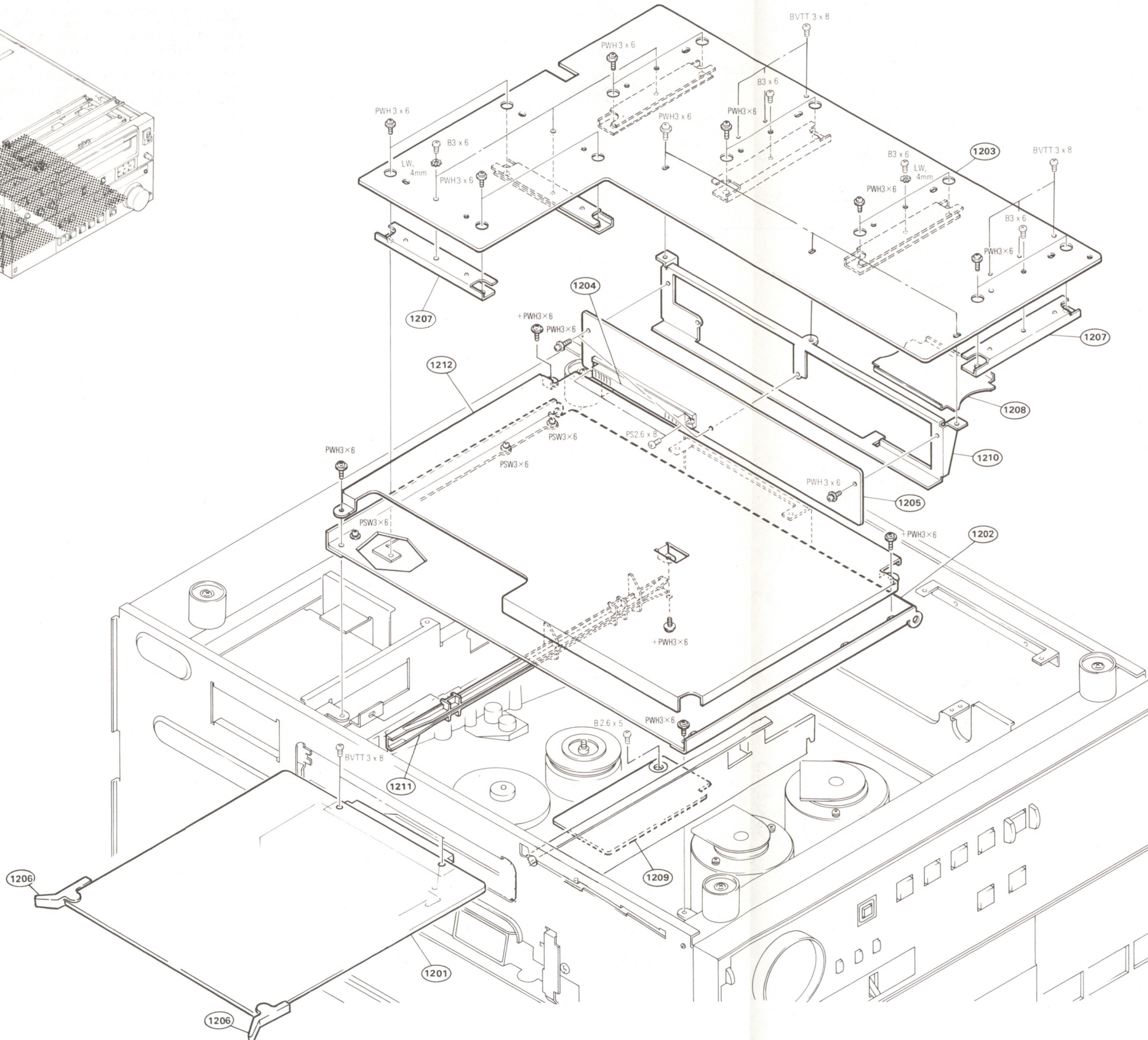
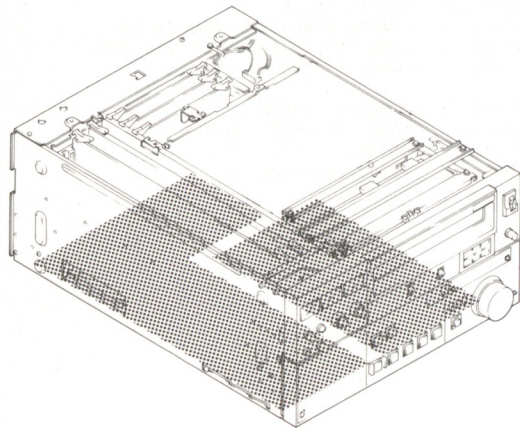
12. CHASSIS BLOCK (RIGHT)



No.	Parts No.	SP	Description
1101	A-6717-495-A	o	MOUNTED CIRCUIT BOARD, PD-45
1102	X-3718-618-1	o	HINGE (RIGHT) ASS'Y
1103	3-646-090-00	s	RIVET, NYLON

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13. CHASSIS BLOCK (BOTTOM)



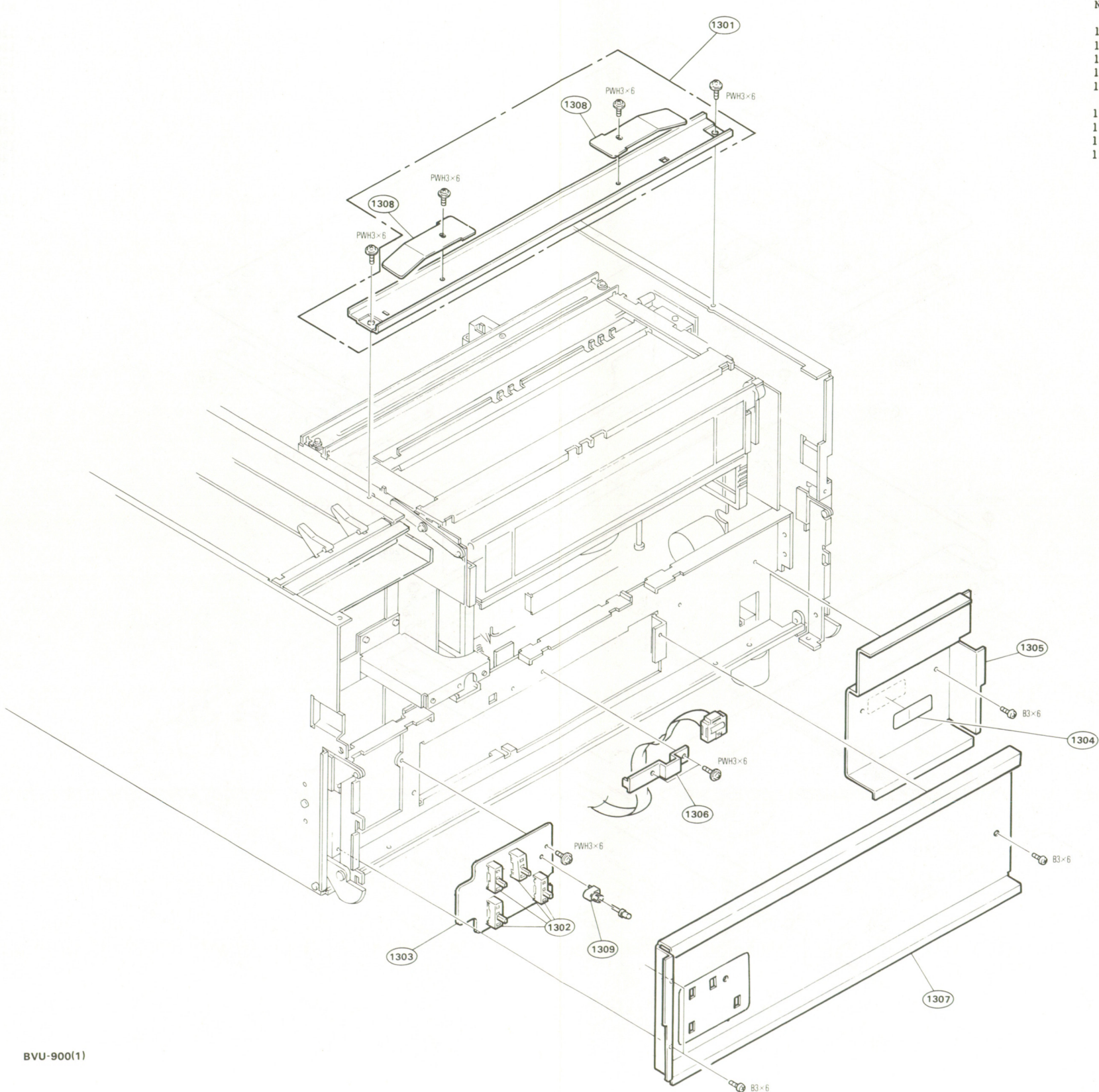
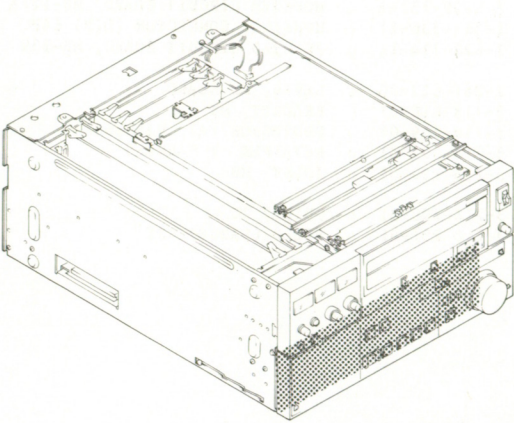
BVU-900(1)

CHASSIS BLOCK (BOTTOM)

CHASSIS BLOCK (BOTTOM)

No.	Parts No.	SP	Description
1201	A-6717-497-A	o	MOUNTED CIRCUIT BOARD, TC-51
1202	A-6729-726-A	o	MOUNTED CIRCUIT BOARD, SY-102B
1203	A-6729-731-A	o	MOUNTED CIRCUIT BOARD, MB-127A
1204	1-563-336-21	o	HOUSING, CONNECTOR (DIP) 64P
1205	1-622-714-11	o	PRINTED CIRCUIT BOARD, MB-139
1206	2-251-622-00	s	LEVER, PC BOARD
1207	3-718-616-01	o	BRACKET, MB
1208	3-718-659-01	o	PROTECTOR (A), HARNESS
1209	3-718-692-01	o	RETAINER, V HARNESS
1210	3-718-720-01	o	JOINT, MB
1211	3-718-790-01	o	GUIDE, TC
1212	3-718-791-01	o	SHIELD (LARGE), SY

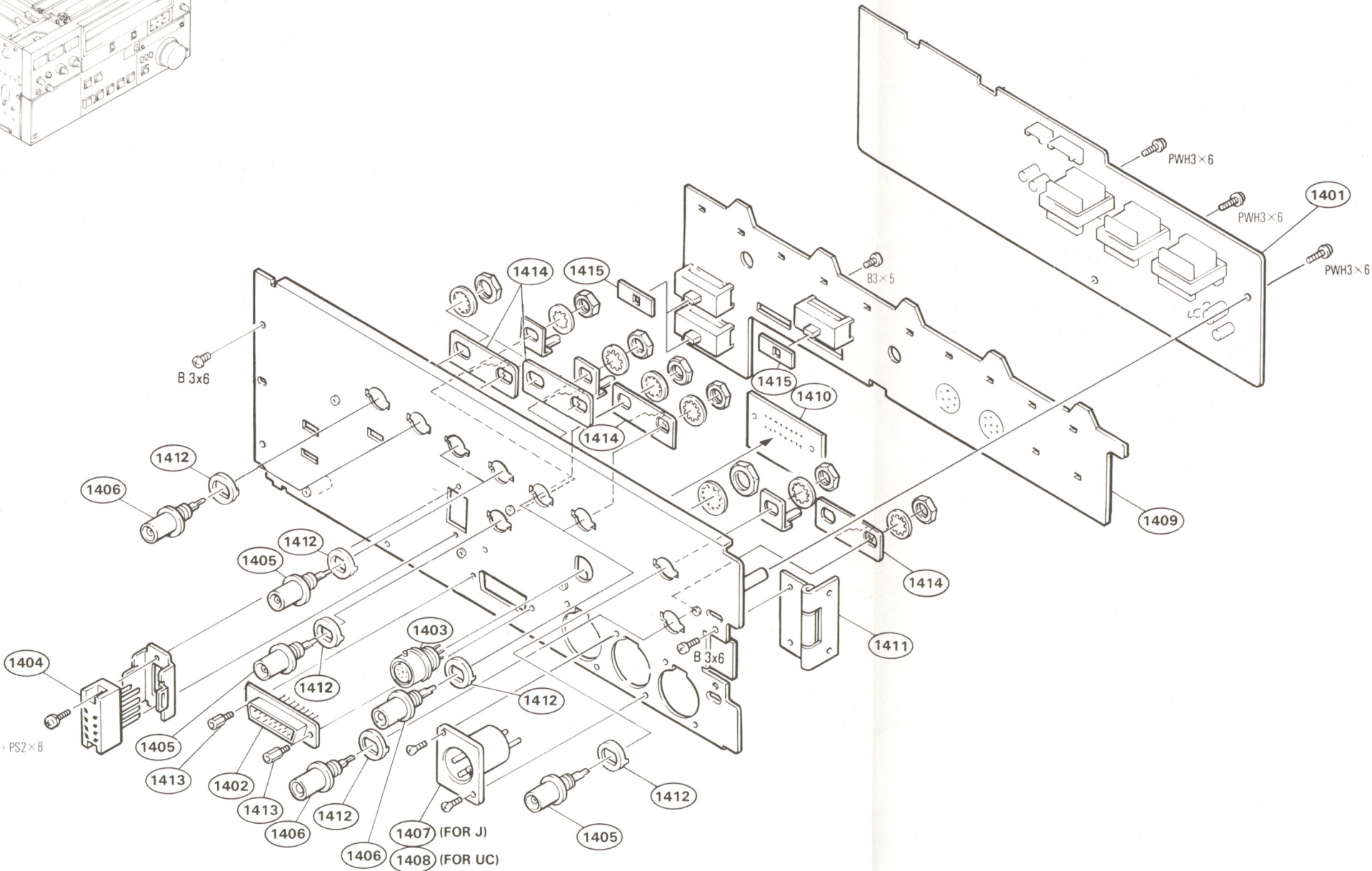
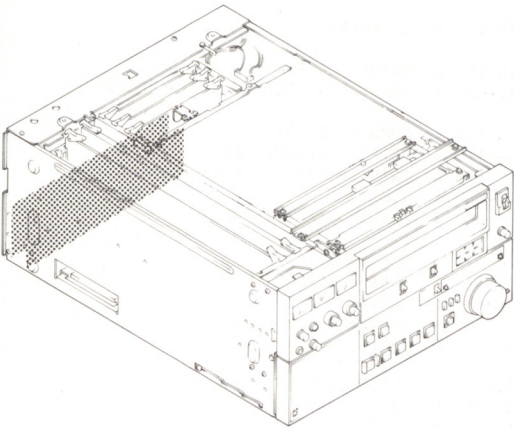
14. CHASSIS BLOCK (FRONT)



No.	Parts No.	SP	Description
1301	A-6730-955-A	o	STAY BLOCK ASS'Y
1302	1-554-481-00	s	SWITCH, SLIDE
1303	1-626-680-11	o	PRINTED CIRCUIT BOARD, SW-290
1304	3-703-848-01	o	LABEL (N), SUB CAUTION (For UC)
1305	3-718-610-01	o	COVER (B), FRONT
1306	3-718-671-01	o	REACTINER, CABLE
1307	3-721-447-01	o	COVER (A) (900), FRONT
1308	3-668-425-00	s	SPRING
1309	3-695-988-01	o	HOLDER (RE),LED

BVU-900(1)

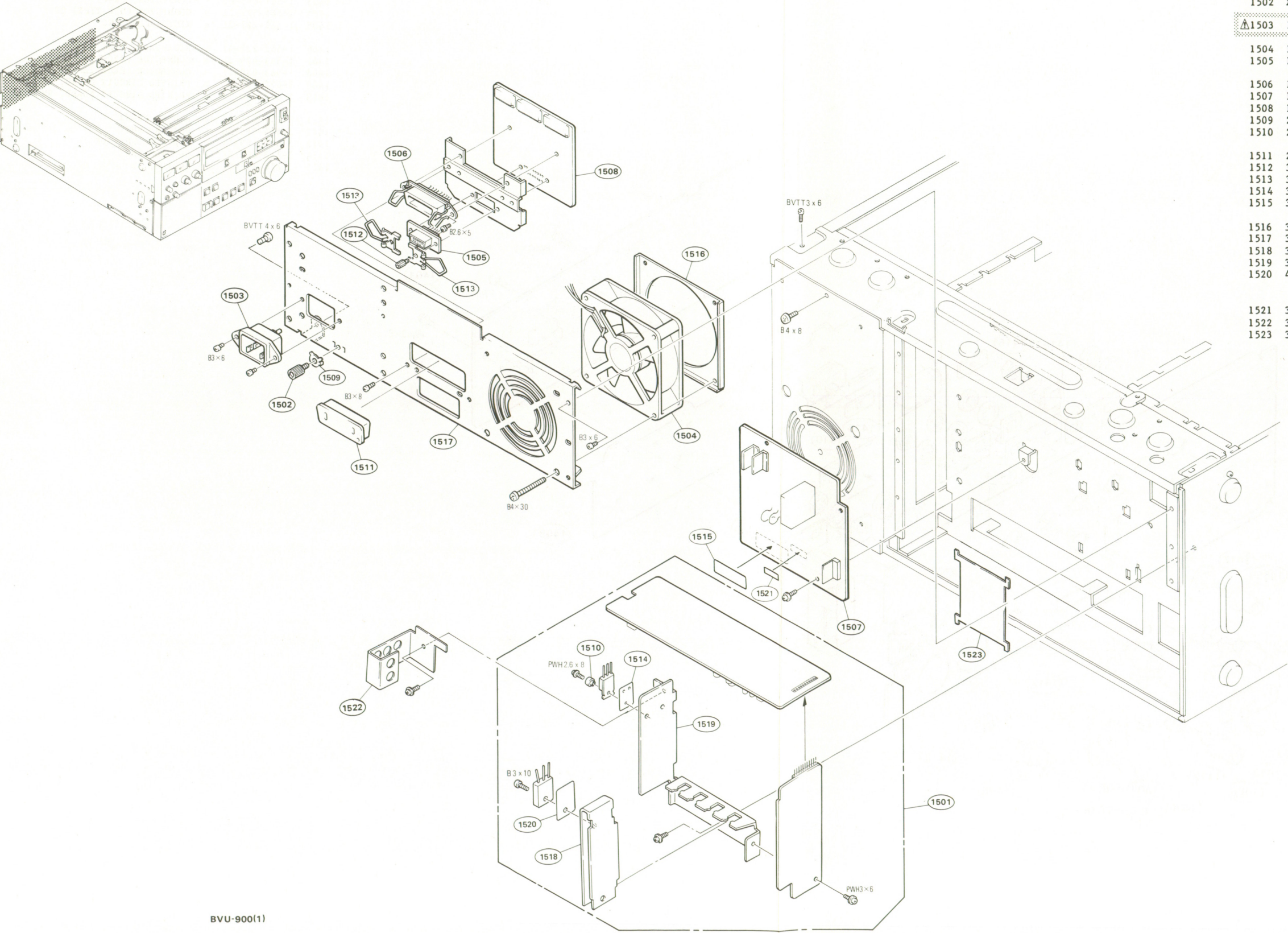
15. CONNECTOR PANEL



BVU-900(1)

No.	Parts No.	SP	Description
1401	A-6713-335-A	o	MOUNTED CIRCUIT BOARD, AU-87A
1402	1-560-769-00	s	PLUG, CONNECTOR 15P
1403	1-561-045-00	s	CONNECTOR, (R-F)
1404	1-561-577-21	s	CONNECTOR (DIP TYPE) 8P
1405	1-562-227-21	s	RECEPTACLE, BNC
1406	1-562-227-41	s	RECEPTACLE, BNC
1407	1-563-029-21	s	CONNECTOR (RECEPTACLE) 3P
1408	1-563-030-21	s	CONNECTOR (RECEPTACLE) 3P
1409	1-622-706-11	o	PRINTED CIRCUIT BOARD, CP-109
1410	1-622-740-11	o	PRINTED CIRCUIT BOARD, RM-45
1411	3-651-875-00	s	HINGE, FRONT
1412	3-654-545-00	s	SPACER, BNC
1413	3-668-459-11	o	SCREW, CONNECTOR
1414	3-718-662-01	o	GROUND, BNC
1415	3-718-757-01	o	CUSION, SW

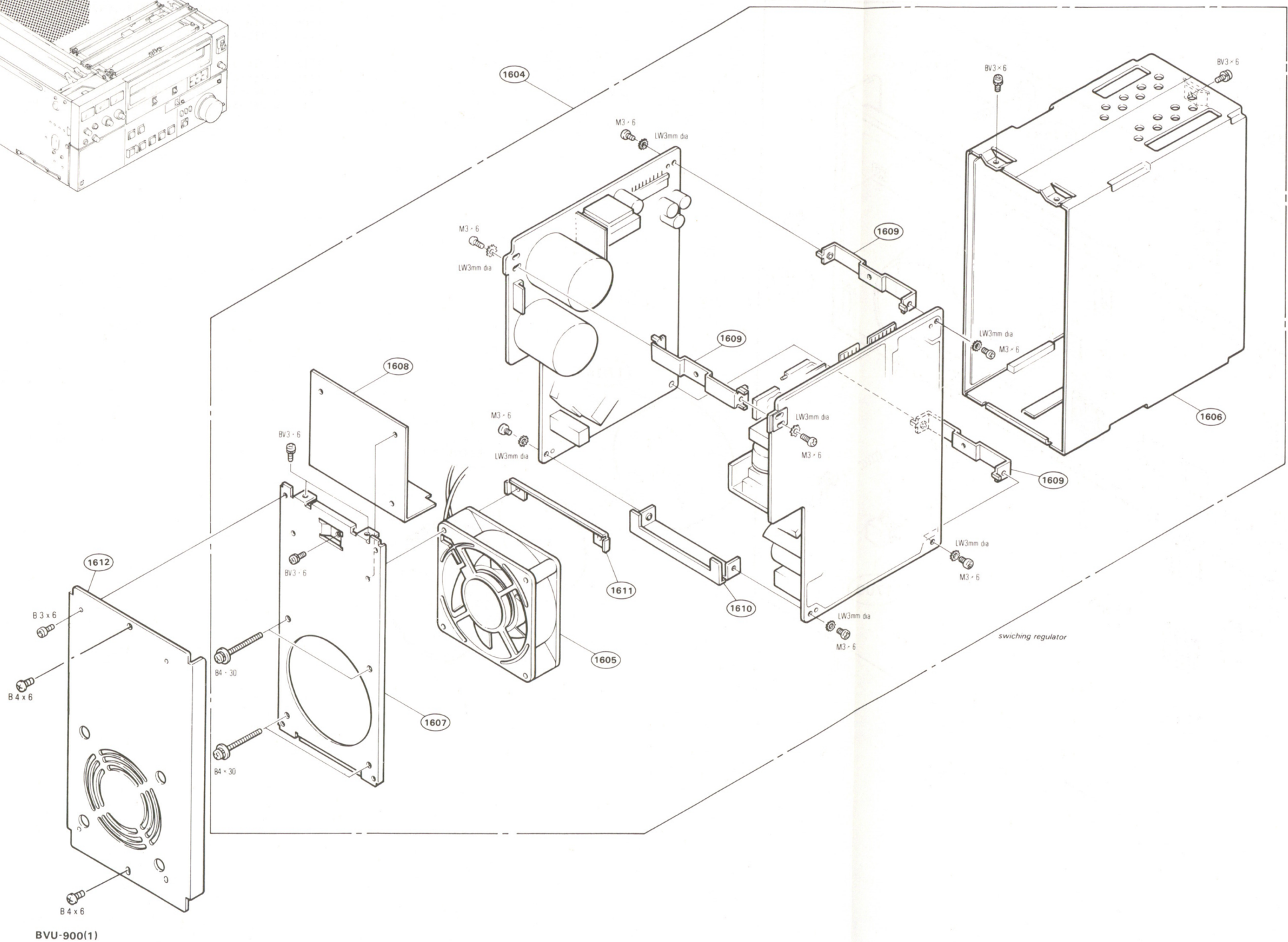
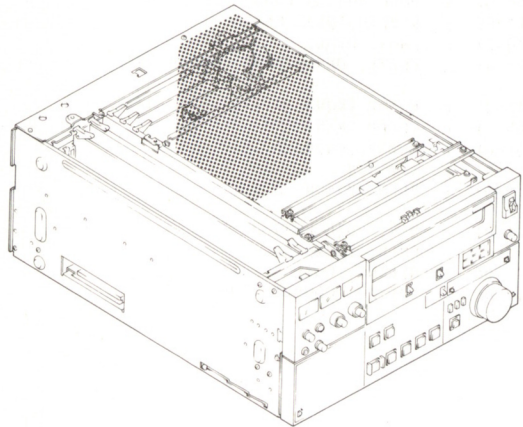
16. REAR PANEL



No.	Parts No.	SP	Description
1501	A-6715-367-A	o	MOUNTED CIRCUIT BOARD, DR-53
1502	X-2068-004-0	s	TERMINAL ASS'Y
1503	1-509-547-00	s	AC INLET
1504	1-541-524-11	s	MOTOR, DC FAN
1505	1-561-655-00	s	CONNECTOR SOCKET, MINIATURE 9P
1506	1-566-658-11	s	CONNECTOR 24P
1507	1-622-704-11	o	PRINTED CIRCUIT BOARD, AC-78
1508	1-622-739-11	o	PRINTED CIRCUIT BOARD, RM-44
1509	2-068-008-00	s	WASHER
1510	2-832-007-00	s	BUSHING (K), INSULATING
1511	2-990-028-01	o	CAP, DUST
1512	3-668-459-11	o	SCREW, CONNECTOR
1513	3-668-460-00	o	SPRING
1514	3-703-037-00	s	INSULATOR, TO-220
1515	3-703-044-26	o	LABEL, CAUTION (For UC)
1516	3-718-685-01	o	NUT, PLATE, FAN
1517	3-718-707-01	o	PANEL REAR
1518	3-718-718-01	o	HEAT SINK (A)
1519	3-718-719-01	o	HEAT SINK (B)
1520	4-871-906-00	s	SHEET, INSULATING
1521	3-701-947-17	s	LABEL, FUSE
1522	3-721-433-01	o	PLATE, PROTECTION, HARNESS
1523	3-721-454-01	o	PROTECTOR (C), HERNESS

BVU-900(1)

17. SWITCHING REGULATOR

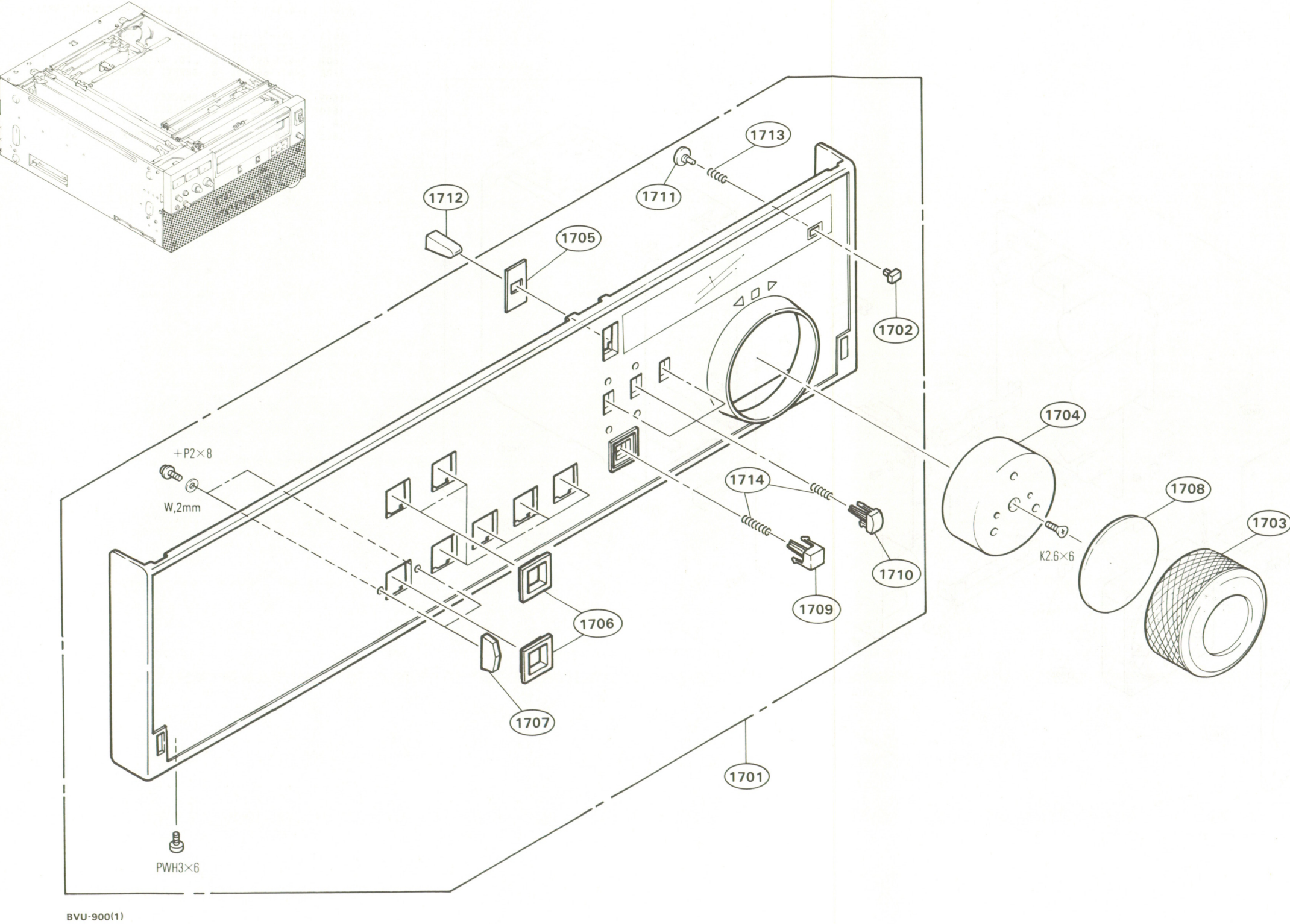


BVU-900(1)

No. Parts No. SP Description

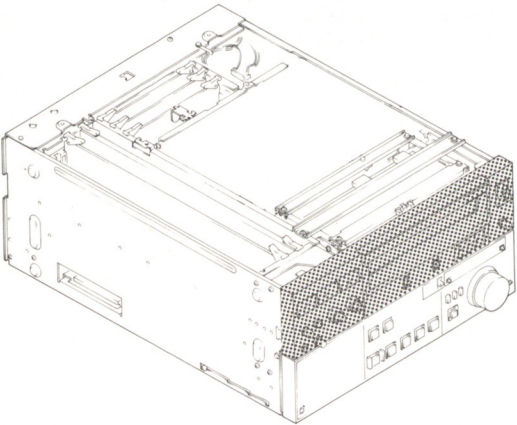
▲1604	1-413-307-13	s	REGULATOR, SWITCHING (UR21)
1605	1-541-524-11	s	MOTOR, DC FAN
1606	2-403-696-01	o	CASE
1607	2-403-697-01	o	LID, CASE
1608	2-431-668-01	o	SHEET, INSULATING
1609	2-434-441-01	o	BRACKET
1610	2-434-442-01	o	BRACKET
1611	2-434-443-01	o	BRACKET, FAN
1612	3-718-702-01	o	PLATE, ORNAMENTAL, SW

18. ORNAMENTAL PANEL(1)

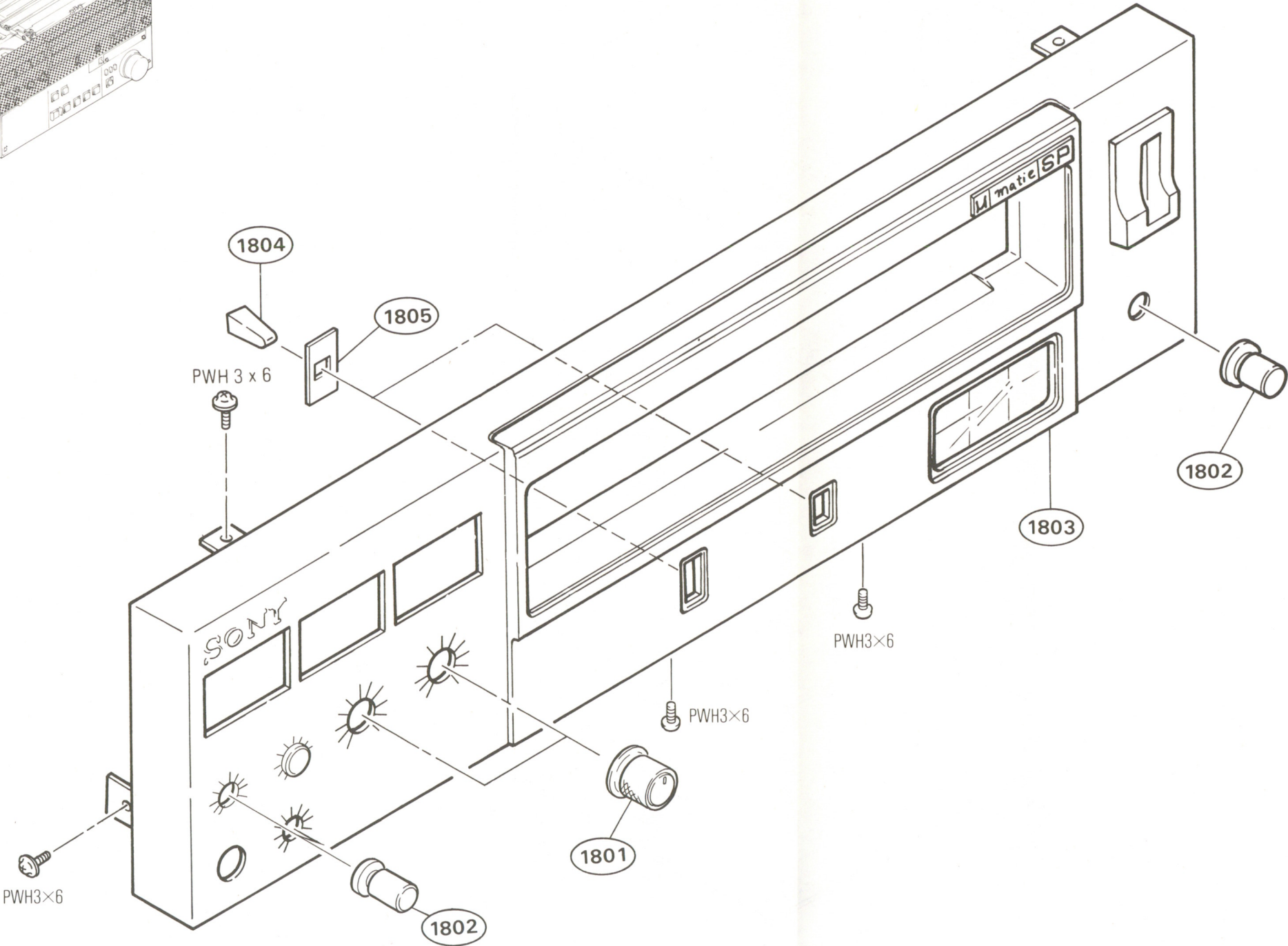


No.	Parts No.	SP	Description
1701	A-6704-331-A	o	PANEL BLOCK ASS'Y (900), KEY
1702	3-668-008-02	s	PUSH BUTTON (3X5)
1703	3-668-012-00	s	RUBBER, DIAL KNOB
1704	3-717-370-01	o	KNOB, DIAL
1705	3-717-373-01	o	PLATE, ORNOMENTAL, LEVER SW
1706	3-717-377-01	o	FLAME (SQUARE 17), ORNAMENTAL
1707	3-717-380-01	o	GUARD, REC
1708	3-717-557-01	o	PLATE, KNOB
1709	3-718-664-01	s	KEY TOP
1710	3-718-681-01	s	PUSH BUTTON
1711	3-718-694-01	s	PIN, PUSH BUTTON
1712	3-718-698-01	s	KNOB, LEVER SW
1713	4-309-349-00	s	SPRING, COIL
1714	4-866-613-00	s	SPRING, COMPRESSION

19. ORNAMENTAL PANEL(2)

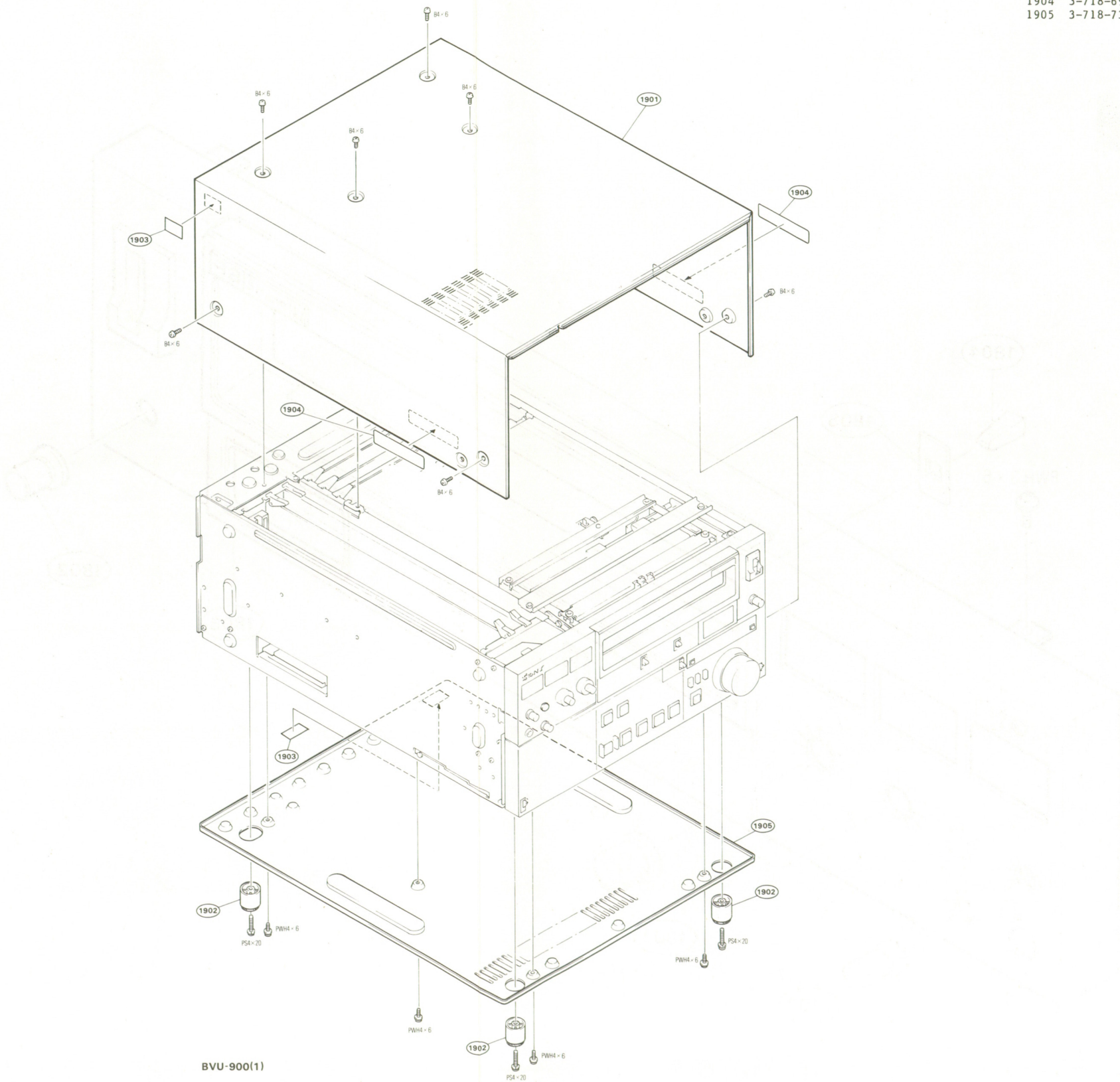
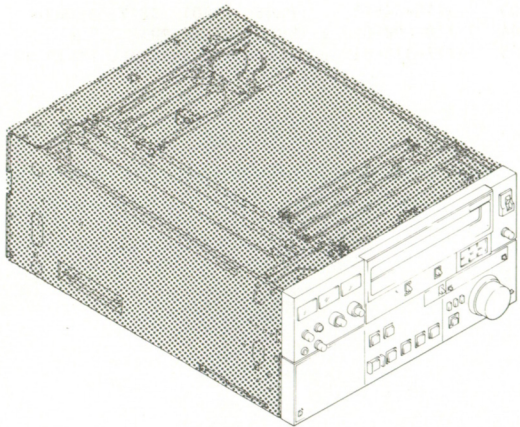


No.	Parts No.	SP	Description
1801	X-2112-801-1	s	KNOB ASS'Y, VOL
1802	X-3672-707-1	s	KNOB ASS'Y, VOLUME
1803	X-3718-646-1	o	PANEL (900) ASS'Y, FRONT
1804	3-718-698-01	s	KNOB, LEVER SW
1805	3-717-373-01	o	PLATE, ORNAMENTAL, LEVER SW



BVU-900(1)

20. ORNAMENTAL PANEL(3)



No.	Parts No.	SP	Description
1901	X-3718-625-1	o	CASE ASS'Y, U
1902	3-642-656-01	s	LEG
1903	3-703-848-01	o	LABEL (N), SUB CAUTION
1904	3-718-691-01	o	CAUTION, VIS
1905	3-718-739-01	o	PLATE, BOTTOM

18-3. ELECTRICAL PARTS LIST

ABBREVIATIONS

Ref. No.	Description	Ref. No.	Description	Ref. No.	Description
C□□, CT□□	CAPACITOR	IC□□	IC	Q□□	TRANSISTOR
CF□□	CERAMIC FILTER	J□□	JACK	R□□, RV□□	RESISTOR
CN□□	CONNECTOR	L□□	INDUCTOR	RY□□	RELAY
D□□	DIODE	M□□	MOTOR	S□□, SW□□	SWITCH
DL□□	DELAY LINE	ME□□	METER	SB□□	SOLAR BATTERY
F□□	FUSE	MIC□□	MICROPHONE	T□□	TRANSFORMER
FB□□	FERRITE BEAD	PG□□	PG COIL	TH□□	THERMISTOR
FL□□	FILTER	PL□□	LAMP	X□□	CRYSTAL
H□□	HEAD	PM□□	SOLENOID		

All capacitors are in micro farads unless otherwise specified.

All inductors are in micro henries unless otherwise specified.

All resistors are in ohms.

General Purpose Electrical Parts List

Parts that are not listed in the "reference numbers order list" are shown in following list.
Reference numbers are omitted.

Part No.	SP	Description	Part No.	SP	Description
CAPACITOR			MYLAR		
. CERAMIC			1-130-467-00	s	CAP, MYLAR 470pF 5% 50V
1-161-039-00	s	CAP, CERAMIC 0.001 10% 50V	1-130-468-00	s	CAP, MYLAR 560pF 5% 50V
1-161-041-00	s	CAP, CERAMIC 0.0015 10% 50V	1-130-469-00	s	CAP, MYLAR 680pF 5% 50V
1-161-043-00	s	CAP, CERAMIC 0.0022 10% 50V	1-130-470-00	s	CAP, MYLAR 820pF 5% 50V
1-161-045-00	s	CAP, CERAMIC 0.0033 10% 50V	1-130-471-00	s	CAP, MYLAR 1000pF 5% 50V
1-161-047-00	s	CAP, CERAMIC 0.0047 10% 50V	1-130-472-00	s	CAP, MYLAR 1200pF 5% 50V
1-161-049-00	s	CAP, CERAMIC 0.0068 10% 50V	1-130-473-00	s	CAP, MYLAR 1500pF 5% 50V
1-161-051-00	s	CAP, CERAMIC 0.01 10% 50V	1-130-474-00	s	CAP, MYLAR 1800pF 5% 50V
1-161-053-00	s	CAP, CERAMIC 0.015 10% 50V	1-130-475-00	s	CAP, MYLAR 2200pF 5% 50V
1-161-055-00	s	CAP, CERAMIC 0.022 10% 50V	1-130-476-00	s	CAP, MYLAR 2700pF 5% 50V
1-161-057-00	s	CAP, CERAMIC 0.033 10% 50V	1-130-477-00	s	CAP, MYLAR 3300pF 5% 50V
1-161-021-11	s	CAP, CERAMIC 0.047 10% 25V	1-130-478-00	s	CAP, MYLAR 3900pF 5% 50V
1-161-059-00	s	CAP, CERAMIC 0.047 10% 50V	1-130-479-00	s	CAP, MYLAR 4700pF 5% 50V
1-161-061-00	s	CAP, CERAMIC 0.068 10% 50V	1-130-480-00	s	CAP, MYLAR 5600pF 5% 50V
1-161-772-11	s	CAP, CERAMIC 0.1 10% 25V	1-130-481-00	s	CAP, MYLAR 6800pF 5% 50V
1-161-063-00	s	CAP, CERAMIC 0.1 10% 50V	1-130-482-00	s	CAP, MYLAR 8200pF 5% 50V
			1-130-483-00	s	CAP, MYLAR 0.01 5% 50V
			1-130-484-00	s	CAP, MYLAR 0.012 5% 50V
			1-130-485-00	s	CAP, MYLAR 0.015 5% 50V
			1-130-486-00	s	CAP, MYLAR 0.018 5% 50V
			1-130-487-00	s	CAP, MYLAR 0.022 5% 50V
			1-130-488-00	s	CAP, MYLAR 0.027 5% 50V
			1-130-489-00	s	CAP, MYLAR 0.033 5% 50V
			1-130-490-11	s	CAP, MYLAR 0.039 5% 50V
			1-130-491-00	s	CAP, MYLAR 0.047 5% 50V
			1-130-492-11	s	CAP, MYLAR 0.056 5% 50V
			1-130-493-00	s	CAP, MYLAR 0.068 5% 50V
			1-130-494-11	s	CAP, MYLAR 0.082 5% 50V
			1-130-495-00	s	CAP, MYLAR 0.1 5% 50V
			1-130-496-00	s	CAP, MYLAR 0.12 5% 50V
			1-130-497-00	s	CAP, MYLAR 0.15 5% 50V
			1-130-498-00	s	CAP, MYLAR 0.18 5% 50V
			1-130-499-00	s	CAP, MYLAR 0.22 5% 50V
			1-136-502-11	s	CAP, MYLAR 0.33 5% 50V

Part No. SP Description

. TANTALUM

1-131-396-11	s	CAP, TANTALUM	0.01	20%	35V
1-131-397-11	s	CAP, TANTALUM	0.015	20%	35V
1-131-398-11	s	CAP, TANTALUM	0.022	20%	35V
1-131-399-11	s	CAP, TANTALUM	0.033	20%	35V
1-131-400-11	s	CAP, TANTALUM	0.047	20%	35V
1-131-401-21	s	CAP, TANTALUM	0.068	10%	35V
1-131-341-21	s	CAP, TANTALUM	0.1	10%	35V
1-131-342-21	s	CAP, TANTALUM	0.15	10%	35V
1-131-343-21	s	CAP, TANTALUM	0.22	10%	35V
1-131-344-21	s	CAP, TANTALUM	0.33	10%	35V
1-131-412-11	s	CAP, TANTALUM	0.47	20%	20V
1-131-345-21	s	CAP, TANTALUM	0.47	10%	35V
1-131-410-11	s	CAP, TANTALUM	0.68	20%	25V
1-131-346-21	s	CAP, TANTALUM	0.68	10%	35V
1-131-413-11	s	CAP, TANTALUM	1.0	20%	20V
1-131-347-21	s	CAP, TANTALUM	1.0	10%	35V
1-131-416-11	s	CAP, TANTALUM	1.5	20%	16V
1-131-348-21	s	CAP, TANTALUM	1.5	10%	35V
1-131-419-11	s	CAP, TANTALUM	2.2	20%	10V
1-131-361-21	s	CAP, TANTALUM	2.2	10%	20V
1-131-349-21	s	CAP, TANTALUM	2.2	10%	35V
1-131-422-11	s	CAP, TANTALUM	3.3	20%	6.3V
1-131-368-21	s	CAP, TANTALUM	3.3	10%	16V
1-131-356-21	s	CAP, TANTALUM	3.3	10%	25V
1-131-350-21	s	CAP, TANTALUM	3.3	10%	35V
1-131-425-11	s	CAP, TANTALUM	4.7	20%	3.15V
1-131-375-21	s	CAP, TANTALUM	4.7	10%	10V
1-131-363-21	s	CAP, TANTALUM	4.7	10%	20V
1-131-351-21	s	CAP, TANTALUM	4.7	10%	35V
1-131-382-21	s	CAP, TANTALUM	6.8	10%	6.3V
1-131-370-21	s	CAP, TANTALUM	6.8	10%	16V
1-131-358-21	s	CAP, TANTALUM	6.8	10%	25V
1-131-352-21	s	CAP, TANTALUM	6.8	10%	35V
1-131-389-21	s	CAP, TANTALUM	10	10%	3.15V
1-131-377-21	s	CAP, TANTALUM	10	10%	10V
1-131-365-21	s	CAP, TANTALUM	10	10%	20V
1-131-353-21	s	CAP, TANTALUM	10	10%	35V
1-131-384-21	s	CAP, TANTALUM	15	10%	6.3V
1-131-372-21	s	CAP, TANTALUM	15	10%	16V
1-131-360-21	s	CAP, TANTALUM	15	10%	25V
1-131-391-21	s	CAP, TANTALUM	22	10%	3.15V
1-131-379-21	s	CAP, TANTALUM	22	10%	10V
1-131-367-21	s	CAP, TANTALUM	22	10%	20V
1-131-386-21	s	CAP, TANTALUM	33	10%	6.3V
1-131-374-21	s	CAP, TANTALUM	33	10%	16V
1-131-393-21	s	CAP, TANTALUM	47	10%	3.15V
1-131-381-21	s	CAP, TANTALUM	47	10%	10V
1-131-388-21	s	CAP, TANTALUM	68	10%	6.3V
1-131-395-21	s	CAP, TANTALUM	100	10%	3.15V

Part No. SP Description

. ELECTROLYTIC

1-124-902-00	s	CAP, ELECT	0.47	20%	50V
1-124-791-11	s	CAP, ELECT	1.0	20%	100V
1-124-925-11	s	CAP, ELECT	2.2	20%	100V
1-123-382-00	s	CAP, ELECT	3.3	20%	100V
1-124-927-00	s	CAP, ELECT	4.7	20%	100V
1-123-875-91	s	CAP, ELECT	10	20%	50V
1-124-915-11	s	CAP, ELECT	10	20%	63V
1-124-667-11	s	CAP, ELECT	10	20%	100V
1-124-908-11	s	CAP, ELECT	22	20%	50V
1-124-916-11	s	CAP, ELECT	22	20%	63V
1-124-929-11	s	CAP, ELECT	22	20%	100V
1-124-963-11	s	CAP, ELECT	33	20%	16V
1-124-482-11	s	CAP, ELECT	33	20%	35V
1-124-917-11	s	CAP, ELECT	33	20%	63V
1-124-930-11	s	CAP, ELECT	33	20%	100V
1-124-446-11	s	CAP, ELECT	47	20%	10V
1-124-477-11	s	CAP, ELECT	47	20%	25V
1-124-910-11	s	CAP, ELECT	47	20%	50V
1-124-918-11	s	CAP, ELECT	47	20%	63V
1-124-931-11	s	CAP, ELECT	47	20%	100V
1-124-443-00	s	CAP, ELECT	100	20%	10V
1-126-101-11	s	CAP, ELECT	100	20%	16V
1-124-478-11	s	CAP, ELECT	100	20%	25V
1-124-122-11	s	CAP, ELECT	100	20%	50V
1-124-572-11	s	CAP, ELECT	100	20%	63V
1-123-605-00	s	CAP, ELECT	100	20%	100V
1-124-444-00	s	CAP, ELECT	220	20%	10V
1-124-120-11	s	CAP, ELECT	220	20%	25V
1-124-484-11	s	CAP, ELECT	220	20%	35V
1-124-911-11	s	CAP, ELECT	220	20%	50V
1-124-919-51	s	CAP, ELECT	220	20%	63V
1-124-628-11	s	CAP, ELECT	220	20%	100V
1-124-442-00	s	CAP, ELECT	330	20%	6.3V
1-124-604-00	s	CAP, ELECT	330	20%	10V
1-124-119-00	s	CAP, ELECT	330	20%	16V
1-124-479-11	s	CAP, ELECT	330	20%	25V
1-124-485-11	s	CAP, ELECT	330	20%	35V
1-124-912-11	s	CAP, ELECT	330	20%	50V
1-124-472-11	s	CAP, ELECT	470	20%	10V
1-124-475-11	s	CAP, ELECT	470	20%	16V
1-124-480-11	s	CAP, ELECT	470	20%	25V
1-126-104-11	s	CAP, ELECT	470	20%	35V
1-124-913-11	s	CAP, ELECT	470	20%	50V
1-124-921-11	s	CAP, ELECT	470	20%	63V
1-124-471-00	s	CAP, ELECT	1000	20%	6.3V
1-124-473-11	s	CAP, ELECT	1000	20%	10V
1-124-555-00	s	CAP, ELECT	1000	20%	16V
1-124-557-11	s	CAP, ELECT	1000	20%	25V
1-126-105-11	s	CAP, ELECT	1000	20%	35V
1-124-637-11	s	CAP, ELECT	1000	20%	50V
1-124-922-11	s	CAP, ELECT	1000	20%	63V
1-124-893-11	s	CAP, ELECT	2200	20%	10V
1-124-556-11	s	CAP, ELECT	2200	20%	16V
1-124-563-11	s	CAP, ELECT	2200	20%	25V
1-124-618-11	s	CAP, ELECT	2200	20%	35V
1-124-607-11	s	CAP, ELECT	2200	20%	50V
1-124-621-11	s	CAP, ELECT	3300	20%	6.3V
1-124-887-00	s	CAP, ELECT	3300	20%	16V
1-124-636-00	s	CAP, ELECT	3300	20%	25V
1-124-762-00	s	CAP, ELECT	4700	20%	10V
1-124-898-11	s	CAP, ELECT	4700	20%	16V
1-124-564-11	s	CAP, ELECT	4700	20%	25V
1-124-891-11	s	CAP, ELECT	10000	20%	6.3V
1-124-763-00	s	CAP, ELECT	10000	20%	10V

Part No. SP Description

. MICA, SILVERED

1-107-019-00	s	CAP, MICA	1.0pF	±0.5pF	500V
1-107-039-00	s	CAP, MICA	1.2pF	±0.5pF	500V
1-107-040-00	s	CAP, MICA	1.5pF	±0.5pF	500V
1-107-041-00	s	CAP, MICA	1.8pF	±0.5pF	500V
1-107-042-00	s	CAP, MICA	2.2pF	±0.5pF	500V
1-107-043-00	s	CAP, MICA	2.7pF	±0.5pF	500V
1-107-044-00	s	CAP, MICA	3.3pF	±0.5pF	500V
1-107-045-00	s	CAP, MICA	3.9pF	±0.5pF	500V
1-107-046-00	s	CAP, MICA	4.7pF	±0.5pF	500V
1-107-026-00	s	CAP, MICA	5.1pF	±0.5pF	500V
1-107-047-00	s	CAP, MICA	5.6pF	±0.5pF	500V
1-107-048-00	s	CAP, MICA	6.8pF	±0.5pF	500V
1-107-049-00	s	CAP, MICA	8.2pF	±0.5pF	500V
1-107-202-00	s	CAP, MICA	10pF	5%	500V
1-107-203-00	s	CAP, MICA	11pF	5%	500V
1-107-204-00	s	CAP, MICA	12pF	5%	500V
1-107-205-00	s	CAP, MICA	13pF	5%	500V
1-107-206-00	s	CAP, MICA	15pF	5%	500V
1-107-207-00	s	CAP, MICA	16pF	5%	500V
1-107-208-00	s	CAP, MICA	18pF	5%	500V
1-107-209-00	s	CAP, MICA	20pF	5%	500V
1-107-210-00	s	CAP, MICA	22pF	5%	500V
1-107-211-00	s	CAP, MICA	24pF	5%	500V
1-107-157-00	s	CAP, MICA	27pF	5%	500V
1-107-158-00	s	CAP, MICA	30pF	5%	500V
1-107-159-00	s	CAP, MICA	33pF	5%	500V
1-107-074-00	s	CAP, MICA	36pF	5%	50V
1-107-075-00	s	CAP, MICA	39pF	5%	50V
1-107-076-00	s	CAP, MICA	43pF	5%	50V
1-107-077-00	s	CAP, MICA	47pF	5%	50V
1-107-164-00	s	CAP, MICA	51pF	5%	500V
1-107-165-00	s	CAP, MICA	56pF	5%	500V
1-107-166-00	s	CAP, MICA	62pF	5%	500V
1-107-036-00	s	CAP, MICA	68pF	5%	500V
1-107-167-00	s	CAP, MICA	75pF	5%	500V
1-107-083-00	s	CAP, MICA	82pF	5%	50V
1-107-084-00	s	CAP, MICA	91pF	5%	50V
1-107-085-00	s	CAP, MICA	100pF	5%	50V
1-107-086-00	s	CAP, MICA	110pF	5%	50V
1-107-087-00	s	CAP, MICA	120pF	5%	50V
1-109-538-00	s	CAP, MICA	130pF	5%	100V
1-109-539-00	s	CAP, MICA	150pF	5%	100V
1-107-090-00	s	CAP, MICA	160pF	5%	50V
1-109-540-00	s	CAP, MICA	180pF	5%	100V
1-109-541-00	s	CAP, MICA	200pF	5%	100V
1-109-542-00	s	CAP, MICA	220pF	5%	100V
1-109-545-00	s	CAP, MICA	270pF	5%	100V
1-109-547-00	s	CAP, MICA	330pF	5%	100V
1-109-549-00	s	CAP, MICA	390pF	5%	100V
1-109-633-00	s	CAP, MICA	470pF	2%	500V
1-109-555-00	s	CAP, MICA	560pF	5%	100V
1-109-635-00	s	CAP, MICA	470pF	2%	500V

Part No. SP Description

INDUCTOR

. MICRO

1-408-397-00	s	INDUCTOR, MICRO	1.0	5%
1-408-399-00	s	INDUCTOR, MICRO	1.5	5%
1-408-400-00	s	INDUCTOR, MICRO	1.8	5%
1-408-401-00	s	INDUCTOR, MICRO	2.2	5%
1-408-403-00	s	INDUCTOR, MICRO	3.3	5%
1-408-404-00	s	INDUCTOR, MICRO	3.9	5%
1-408-405-00	s	INDUCTOR, MICRO	4.7	5%
1-408-406-00	s	INDUCTOR, MICRO	5.6	5%
1-408-407-00	s	INDUCTOR, MICRO	6.8	5%
1-408-408-00	s	INDUCTOR, MICRO	8.2	5%
1-408-409-00	s	INDUCTOR, MICRO	10	5%
1-408-410-00	s	INDUCTOR, MICRO	12	5%
1-408-411-00	s	INDUCTOR, MICRO	15	5%
1-408-412-00	s	INDUCTOR, MICRO	18	5%
1-408-413-00	s	INDUCTOR, MICRO	22	5%
1-408-414-00	s	INDUCTOR, MICRO	27	5%
1-408-415-00	s	INDUCTOR, MICRO	33	5%
1-408-416-00	s	INDUCTOR, MICRO	39	5%
1-408-417-00	s	INDUCTOR, MICRO	47	5%
1-408-418-00	s	INDUCTOR, MICRO	56	5%
1-408-419-00	s	INDUCTOR, MICRO	68	5%
1-408-420-00	s	INDUCTOR, MICRO	82	5%
1-408-421-00	s	INDUCTOR, MICRO	100	5%
1-408-422-00	s	INDUCTOR, MICRO	120	5%
1-408-423-00	s	INDUCTOR, MICRO	150	5%
1-408-424-00	s	INDUCTOR, MICRO	180	5%
1-408-425-00	s	INDUCTOR, MICRO	220	5%
1-408-426-00	s	INDUCTOR, MICRO	270	5%
1-408-427-00	s	INDUCTOR, MICRO	330	5%
1-408-428-00	s	INDUCTOR, MICRO	390	5%
1-408-429-00	s	INDUCTOR, MICRO	470	5%
1-410-116-11	s	INDUCTOR, MICRO	560	5%
1-410-492-11	s	INDUCTOR, MICRO	680	5%
1-410-493-11	s	INDUCTOR, MICRO	820	5%
1-410-494-11	s	INDUCTOR, MICRO	1000	5%

Part No. SP Description

RESISTOR

. CARBON

1-249-381-11	s	RES, CARBON	1.0	5%	1/6W
1-249-382-11	s	RES, CARBON	1.2	5%	1/6W
1-249-383-11	s	RES, CARBON	1.5	5%	1/6W
1-249-384-11	s	RES, CARBON	1.8	5%	1/6W
1-249-385-11	s	RES, CARBON	2.2	5%	1/6W
1-249-386-11	s	RES, CARBON	2.7	5%	1/6W
1-249-387-11	s	RES, CARBON	3.3	5%	1/6W
1-249-388-11	s	RES, CARBON	3.9	5%	1/6W
1-249-389-11	s	RES, CARBON	4.7	5%	1/6W
1-249-390-11	s	RES, CARBON	5.6	5%	1/6W
1-249-391-11	s	RES, CARBON	6.8	5%	1/6W
1-249-392-11	s	RES, CARBON	8.2	5%	1/6W
1-249-393-11	s	RES, CARBON	10	5%	1/6W
1-249-394-11	s	RES, CARBON	12	5%	1/6W
1-249-395-11	s	RES, CARBON	15	5%	1/6W
1-249-396-11	s	RES, CARBON	18	5%	1/6W
1-249-397-11	s	RES, CARBON	22	5%	1/6W
1-249-398-11	s	RES, CARBON	27	5%	1/6W
1-249-399-11	s	RES, CARBON	33	5%	1/6W
1-249-400-11	s	RES, CARBON	39	5%	1/6W
1-249-401-11	s	RES, CARBON	47	5%	1/6W
1-249-402-11	s	RES, CARBON	56	5%	1/6W
1-249-403-11	s	RES, CARBON	68	5%	1/6W
1-215-394-00	s	RES, METAL	75	1%	1/6W
1-249-404-11	s	RES, CARBON	82	5%	1/6W
1-249-405-11	s	RES, CARBON	100	5%	1/6W
1-249-406-11	s	RES, CARBON	120	5%	1/6W
1-249-407-11	s	RES, CARBON	150	5%	1/6W
1-249-408-11	s	RES, CARBON	180	5%	1/6W
1-249-409-11	s	RES, CARBON	220	5%	1/6W
1-249-410-11	s	RES, CARBON	270	5%	1/6W
1-249-411-11	s	RES, CARBON	330	5%	1/6W
1-249-412-11	s	RES, CARBON	390	5%	1/6W
1-249-413-11	s	RES, CARBON	470	5%	1/6W
1-249-414-11	s	RES, CARBON	560	5%	1/6W
1-249-415-11	s	RES, CARBON	680	5%	1/6W
1-249-416-11	s	RES, CARBON	820	5%	1/6W
1-249-417-11	s	RES, CARBON	1.0k	5%	1/6W
1-249-418-11	s	RES, CARBON	1.2k	5%	1/6W
1-249-419-11	s	RES, CARBON	1.5k	5%	1/6W
1-249-420-11	s	RES, CARBON	1.8k	5%	1/6W
1-249-421-11	s	RES, CARBON	2.2k	5%	1/6W
1-249-422-11	s	RES, CARBON	2.7k	5%	1/6W
1-249-423-11	s	RES, CARBON	3.3k	5%	1/6W
1-249-424-11	s	RES, CARBON	3.9k	5%	1/6W
1-249-425-11	s	RES, CARBON	4.7k	5%	1/6W
1-249-426-11	s	RES, CARBON	5.6k	5%	1/6W
1-249-427-11	s	RES, CARBON	6.8k	5%	1/6W
1-249-428-11	s	RES, CARBON	8.2k	5%	1/6W
1-249-429-11	s	RES, CARBON	10k	5%	1/6W
1-249-430-11	s	RES, CARBON	12k	5%	1/6W
1-249-431-11	s	RES, CARBON	15k	5%	1/6W
1-249-432-11	s	RES, CARBON	18k	5%	1/6W
1-249-433-11	s	RES, CARBON	22k	5%	1/6W
1-249-434-11	s	RES, CARBON	27k	5%	1/6W
1-249-435-11	s	RES, CARBON	33k	5%	1/6W
1-249-436-11	s	RES, CARBON	39k	5%	1/6W
1-249-437-11	s	RES, CARBON	47k	5%	1/6W
1-249-438-11	s	RES, CARBON	56k	5%	1/6W
1-249-439-11	s	RES, CARBON	68k	5%	1/6W

Part No. SP Description

1-249-440-11	s	RES, CARBON	82k	5%	1/6W
1-249-441-11	s	RES, CARBON	100k	5%	1/6W
1-215-471-00	s	RES, METAL	120k	1%	1/6W
1-215-473-00	s	RES, METAL	150k	1%	1/6W
1-215-475-00	s	RES, METAL	180k	1%	1/6W
1-215-477-00	s	RES, METAL	220k	1%	1/6W
1-215-479-00	s	RES, METAL	270k	1%	1/6W
1-215-481-00	s	RES, METAL	330k	1%	1/6W
1-215-483-00	s	RES, METAL	390k	1%	1/6W
1-215-485-00	s	RES, METAL	470k	1%	1/6W
1-215-487-00	s	RES, METAL	560k	1%	1/6W
1-215-489-00	s	RES, METAL	680k	1%	1/6W
1-215-491-00	s	RES, METAL	820k	1%	1/6W
1-215-493-00	s	RES, METAL	1.0M	1%	1/6W

Part No. SP Description

. METAL

1-215-373-31	s	RES, METAL	10	1X	1/6W
1-215-374-00	s	RES, METAL	11	1X	1/6W
1-215-375-00	s	RES, METAL	12	1X	1/6W
1-215-376-00	s	RES, METAL	13	1X	1/6W
1-215-377-00	s	RES, METAL	15	1X	1/6W
1-215-378-00	s	RES, METAL	16	1X	1/6W
1-215-379-00	s	RES, METAL	18	1X	1/6W
1-215-380-00	s	RES, METAL	20	1X	1/6W
1-215-381-00	s	RES, METAL	22	1X	1/6W
1-215-382-00	s	RES, METAL	24	1X	1/6W
1-215-383-00	s	RES, METAL	27	1X	1/6W
1-215-384-00	s	RES, METAL	30	1X	1/6W
1-215-385-00	s	RES, METAL	33	1X	1/6W
1-215-386-00	s	RES, METAL	36	1X	1/6W
1-215-387-00	s	RES, METAL	39	1X	1/6W
1-215-388-00	s	RES, METAL	43	1X	1/6W
1-215-389-00	s	RES, METAL	47	1X	1/6W
1-215-390-00	s	RES, METAL	51	1X	1/6W
1-215-391-00	s	RES, METAL	56	1X	1/6W
1-215-392-00	s	RES, METAL	62	1X	1/6W
1-215-393-00	s	RES, METAL	68	1X	1/6W
1-215-394-00	s	RES, METAL	75	1X	1/6W
1-215-395-00	s	RES, METAL	82	1X	1/6W
1-215-396-00	s	RES, METAL	91	1X	1/6W
1-215-397-00	s	RES, METAL	100	1X	1/6W
1-215-398-00	s	RES, METAL	110	1X	1/6W
1-215-399-00	s	RES, METAL	120	1X	1/6W
1-215-400-00	s	RES, METAL	130	1X	1/6W
1-215-401-00	s	RES, METAL	150	1X	1/6W
1-215-402-00	s	RES, METAL	160	1X	1/6W
1-215-403-00	s	RES, METAL	180	1X	1/6W
1-215-404-00	s	RES, METAL	200	1X	1/6W
1-215-405-00	s	RES, METAL	220	1X	1/6W
1-215-406-00	s	RES, METAL	240	1X	1/6W
1-215-407-00	s	RES, METAL	270	1X	1/6W
1-215-408-00	s	RES, METAL	300	1X	1/6W
1-215-409-00	s	RES, METAL	330	1X	1/6W
1-215-410-00	s	RES, METAL	360	1X	1/6W
1-215-411-00	s	RES, METAL	390	1X	1/6W
1-215-412-00	s	RES, METAL	430	1X	1/6W
1-215-413-00	s	RES, METAL	470	1X	1/6W
1-215-414-00	s	RES, METAL	510	1X	1/6W
1-215-415-00	s	RES, METAL	560	1X	1/6W
1-215-416-00	s	RES, METAL	620	1X	1/6W
1-215-417-00	s	RES, METAL	680	1X	1/6W
1-215-418-00	s	RES, METAL	750	1X	1/6W
1-215-419-00	s	RES, METAL	820	1X	1/6W
1-215-420-00	s	RES, METAL	910	1X	1/6W
1-215-421-00	s	RES, METAL	1.0k	1X	1/6W
1-215-422-00	s	RES, METAL	1.1k	1X	1/6W
1-215-423-00	s	RES, METAL	1.2k	1X	1/6W
1-215-424-00	s	RES, METAL	1.3k	1X	1/6W
1-215-425-00	s	RES, METAL	1.5k	1X	1/6W
1-215-426-00	s	RES, METAL	1.6k	1X	1/6W
1-215-427-00	s	RES, METAL	1.8k	1X	1/6W
1-215-428-00	s	RES, METAL	2.0k	1X	1/6W
1-215-429-00	s	RES, METAL	2.2k	1X	1/6W
1-215-430-00	s	RES, METAL	2.4k	1X	1/6W
1-215-431-00	s	RES, METAL	2.7k	1X	1/6W
1-215-432-00	s	RES, METAL	3.0k	1X	1/6W

Part No. SP Description

1-215-433-00	s	RES, METAL	3.3k	1X	1/6W
1-215-434-00	s	RES, METAL	3.6k	1X	1/6W
1-215-435-00	s	RES, METAL	3.9k	1X	1/6W
1-215-436-00	s	RES, METAL	4.3k	1X	1/6W
1-215-437-00	s	RES, METAL	4.7k	1X	1/6W
1-215-438-00	s	RES, METAL	5.1k	1X	1/6W
1-215-439-00	s	RES, METAL	5.6k	1X	1/6W
1-215-440-00	s	RES, METAL	6.2k	1X	1/6W
1-215-441-00	s	RES, METAL	6.8k	1X	1/6W
1-215-442-00	s	RES, METAL	7.5k	1X	1/6W
1-215-443-00	s	RES, METAL	8.2k	1X	1/6W
1-215-444-00	s	RES, METAL	9.1k	1X	1/6W
1-215-445-00	s	RES, METAL	10k	1X	1/6W
1-215-446-00	s	RES, METAL	11k	1X	1/6W
1-215-447-00	s	RES, METAL	12k	1X	1/6W
1-215-448-00	s	RES, METAL	13k	1X	1/6W
1-215-449-00	s	RES, METAL	15k	1X	1/6W
1-215-450-00	s	RES, METAL	16k	1X	1/6W
1-215-451-00	s	RES, METAL	18k	1X	1/6W
1-215-452-00	s	RES, METAL	20k	1X	1/6W
1-215-453-00	s	RES, METAL	22k	1X	1/6W
1-215-454-00	s	RES, METAL	24k	1X	1/6W
1-215-455-00	s	RES, METAL	27k	1X	1/6W
1-215-456-00	s	RES, METAL	30k	1X	1/6W
1-215-457-00	s	RES, METAL	33k	1X	1/6W
1-215-458-00	s	RES, METAL	36k	1X	1/6W
1-215-459-00	s	RES, METAL	39k	1X	1/6W
1-215-460-00	s	RES, METAL	43k	1X	1/6W
1-215-461-00	s	RES, METAL	47k	1X	1/6W
1-215-462-00	s	RES, METAL	51k	1X	1/6W
1-215-463-00	s	RES, METAL	56k	1X	1/6W
1-215-464-00	s	RES, METAL	62k	1X	1/6W
1-215-465-00	s	RES, METAL	68k	1X	1/6W
1-215-466-00	s	RES, METAL	75k	1X	1/6W
1-215-467-00	s	RES, METAL	82k	1X	1/6W
1-215-468-00	s	RES, METAL	91k	1X	1/6W
1-215-469-00	s	RES, METAL	100k	1X	1/6W
1-215-470-00	s	RES, METAL	110k	1X	1/6W
1-215-471-00	s	RES, METAL	120k	1X	1/6W
1-215-472-00	s	RES, METAL	130k	1X	1/6W
1-215-473-00	s	RES, METAL	150k	1X	1/6W
1-215-474-00	s	RES, METAL	160k	1X	1/6W
1-215-475-00	s	RES, METAL	180k	1X	1/6W
1-215-476-00	s	RES, METAL	200k	1X	1/6W
1-215-477-00	s	RES, METAL	220k	1X	1/6W
1-215-478-00	s	RES, METAL	240k	1X	1/6W
1-215-479-00	s	RES, METAL	270k	1X	1/6W
1-215-480-00	s	RES, METAL	300k	1X	1/6W
1-215-481-00	s	RES, METAL	330k	1X	1/6W
1-215-482-00	s	RES, METAL	360k	1X	1/6W
1-215-483-00	s	RES, METAL	390k	1X	1/6W
1-215-484-00	s	RES, METAL	430k	1X	1/6W
1-215-485-00	s	RES, METAL	470k	1X	1/6W
1-215-486-00	s	RES, METAL	510k	1X	1/6W
1-215-487-00	s	RES, METAL	560k	1X	1/6W
1-215-488-00	s	RES, METAL	620k	1X	1/6W
1-215-489-00	s	RES, METAL	680k	1X	1/6W
1-215-490-00	s	RES, METAL	750k	1X	1/6W
1-215-491-00	s	RES, METAL	820k	1X	1/6W
1-215-492-00	s	RES, METAL	910k	1X	1/6W
1-215-493-00	s	RES, METAL	1.0M	1X	1/6W

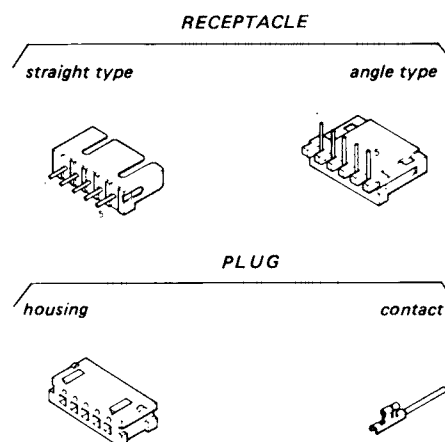
Part No. SP Description

CONNECTOR

1-564-001-11	o	RECEPTACLE	2P MALE (STRAIGHT TYPE)
1-564-012-11	o	RECEPTACLE	2P MALE (ANGLE TYPE)
1-562-147-11	o	HOUSING	2P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32
1-564-002-11	o	RECEPTACLE	3P MALE (STRAIGHT TYPE)
1-564-013-11	o	RECEPTACLE	3P MALE (ANGLE TYPE)
1-562-148-11	o	HOUSING	3P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32
1-564-003-11	o	RECEPTACLE	4P MALE (STRAIGHT TYPE)
1-564-014-11	o	RECEPTACLE	4P MALE (ANGLE TYPE)
1-562-149-11	o	HOUSING	4P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32
1-564-004-11	o	RECEPTACLE	5P MALE (STRAIGHT TYPE)
1-564-015-11	o	RECEPTACLE	5P MALE (ANGLE TYPE)
1-562-150-11	o	HOUSING	5P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32
1-564-005-11	o	RECEPTACLE	6P MALE (STRAIGHT TYPE)
1-564-016-11	o	RECEPTACLE	6P MALE (ANGLE TYPE)
1-562-151-11	o	HOUSING	6P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32
1-564-006-11	o	RECEPTACLE	7P MALE (STRAIGHT TYPE)
1-564-017-11	o	RECEPTACLE	7P MALE (ANGLE TYPE)
1-562-152-11	o	HOUSING	7P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32
1-564-007-11	o	RECEPTACLE	8P MALE (STRAIGHT TYPE)
1-564-018-11	o	RECEPTACLE	8P MALE (ANGLE TYPE)
1-562-153-11	o	HOUSING	8P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32
1-564-008-41	o	RECEPTACLE	9P MALE (STRAIGHT TYPE)
1-564-019-11	o	RECEPTACLE	9P MALE (ANGLE TYPE)
1-562-154-11	o	HOUSING	9P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32
1-564-009-11	o	RECEPTACLE	10P MALE (STRAIGHT TYPE)
1-564-020-11	o	RECEPTACLE	10P MALE (ANGLE TYPE)
1-562-155-11	o	HOUSING	10P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32
1-564-010-21	o	RECEPTACLE	11P MALE (STRAIGHT TYPE)
1-564-021-11	o	RECEPTACLE	11P MALE (ANGLE TYPE)
1-562-156-11	o	HOUSING	11P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32
1-564-011-11	o	RECEPTACLE	12P MALE (STRAIGHT TYPE)
1-564-022-11	o	RECEPTACLE	12P MALE (ANGLE TYPE)
1-562-157-11	o	HOUSING	12P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32

Part No. SP Description

1-564-683-11	o	RECEPTACLE	13P MALE (STRAIGHT TYPE)
1-564-743-11	o	RECEPTACLE	13P MALE (ANGLE TYPE)
1-562-627-11	o	HOUSING	13P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32
1-564-069-11	o	RECEPTACLE	14P MALE (STRAIGHT TYPE)
1-564-630-11	o	RECEPTACLE	14P MALE (ANGLE TYPE)
1-562-185-11	o	HOUSING	14P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32
1-564-855-11	o	RECEPTACLE	15P MALE (STRAIGHT TYPE)
1-564-877-11	o	RECEPTACLE	15P MALE (ANGLE TYPE)
1-562-958-11	o	HOUSING	15P
1-564-026-21	o	CONTACT	AWG24-30
1-564-681-21	o	CONTACT	AWG32



Ref No. Parts No. SP Description

AC-78 BOARD

1-622-704-11 o PRINTED CIRCUIT BOARD, AC-78

△ 1-533-189-11 o HOLDER, FUSE
 1-533-189-11 o HOLDER, FUSE

△ C1 1-136-185-00 s FILM 0.22 20% 250V
 C2 1-161-741-00 s CERAMIC 0.001 10% 400V
 C3 1-161-741-00 s CERAMIC 0.001 10% 400V
 C4 1-161-741-00 s CERAMIC 0.001 10% 400V

△ CN950 1-564-241-00 o PIN, 4P
 1-562-285-11 o HOUSING, 4P
 CN951 1-564-243-00 o PIN, 6P
 1-562-287-11 o HOUSING, 6P
 CN952 1-564-242-00 o PIN, 5P
 1-562-286-11 o HOUSING, 5P

△ F1 1-532-746-11 s FUSE, GLASS TUBE 4A

△ R1 1-214-937-00 s CARBON 1M 5% 1/2W

AP-23 BOARD

A-6713-336-A o PRINTED CIRCUIT BOARD, AP-23

C3 1-162-207-31 s CERAMIC 22PF 5% 50V
 C22 1-162-207-31 s CERAMIC 22PF 5% 50V
 C26 1-162-286-31 s CERAMIC 220PF 10% 50V
 C103 1-162-207-31 s CERAMIC 22PF 5% 50V
 C122 1-162-207-31 s CERAMIC 22PF 5% 50V

C126 1-162-286-31 s CERAMIC 220PF 10% 50V
 C202 1-126-103-11 s ELECT 470 20% 16V
 C205 1-126-103-11 s ELECT 470 20% 16V

CN107 1-506-747-21 o PIN, DIN (DIP) 64P

CP1 1-236-010-11 s LOW PASS
 CP2 1-236-010-11 s LOW PASS

D1 8-719-200-02 s 10E2
 D2 8-719-200-02 s 10E2
 D3 8-719-901-33 s 1SS133
 D4 8-719-901-33 s 1SS133
 D101 8-719-200-02 s 10E2

D102 8-719-200-02 s 10E2
 D103 8-719-901-33 s 1SS133
 D104 8-719-901-33 s 1SS133
 D201 8-719-109-59 s RD2.7ES-B1
 D202 8-719-110-06 s RD8.2ES-B1

D203 8-719-109-88 s RD5.6ES-B1

Ref No. Parts No. SP Description

IC1 8-759-700-04 s NJM2043D-D(JRC)
 IC2 8-759-745-60 s NJM4560D(JRC)
 IC3 8-749-900-86 s BX1469L(SONY)
 IC4 8-759-745-60 s NJM4560D(JRC)
 IC101 8-759-700-04 s NJM2043D-D(JRC)

IC102 8-759-745-60 s NJM4560D(JRC)
 IC103 8-749-900-86 s BX1469L(SONY)
 IC104 8-759-745-60 s NJM4560D(JRC)
 IC201 8-759-708-05 s NJM78L05A(JRC)
 IC202 8-759-700-65 s NJM79L05A(JRC)

LV1 1-407-305-00 s VAR, 22mH
 LV2 1-459-434-00 s VAR, COIL 22mH
 LV101 1-407-305-00 s VAR, 22mH
 LV102 1-459-434-00 s VAR, COIL 22mH

Q1 8-729-178-54 s 2SC2785
 Q2 8-729-201-05 s 2SC2878-B
 Q3 8-729-117-54 s 2SA1175
 Q4 8-729-178-54 s 2SC2785
 Q101 8-729-178-54 s 2SC2785

Q102 8-729-201-05 s 2SC2878-B
 Q103 8-729-117-54 s 2SA1175
 Q104 8-729-178-54 s 2SC2785
 Q105 8-729-900-89 s DTC144ES
 Q201 8-729-113-32 s 2SB733

Q202 8-729-177-32 s 2SD773
 Q203 8-729-178-54 s 2SC2785
 Q204 8-729-117-54 s 2SA1175

R4 1-247-883-00 s CARBON 150k 5% 1/4W
 R9 1-247-885-00 s CARBON 180k 5% 1/4W
 R12 1-247-899-11 s CARBON 680k 5% 1/4W
 R39 1-247-883-00 s CARBON 150k 5% 1/4W
 R104 1-247-883-00 s CARBON 150k 5% 1/4W

R109 1-247-885-00 s CARBON 180k 5% 1/4W
 R112 1-247-899-11 s CARBON 680k 5% 1/4W
 R139 1-247-883-00 s CARBON 150k 5% 1/4W

RV1 1-228-998-00 s VAR, CARBON 220k
 RV2 1-228-993-00 s VAR, CARBON 4.7k
 RV3 1-228-996-00 s VAR, CARBON 47k
 RV4 1-228-993-00 s VAR, CARBON 4.7k
 RV5 1-228-991-00 s VAR, CARBON 2.2k

RV101 1-228-998-00 s VAR, CARBON 220k
 RV102 1-228-993-00 s VAR, CARBON 4.7k
 RV103 1-228-996-00 s VAR, CARBON 47k
 RV104 1-228-993-00 s VAR, CARBON 4.7k
 RV105 1-228-991-00 s VAR, CARBON 2.2k

T1 1-427-284-00 s OUTPUT
 T2 1-427-284-00 s OUTPUT

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

AU-85C BOARD

A-6713-334-A o MOUNTED CIRCUIT BOARD, AU-85C

C15 1-161-379-00 s CERAMIC 0.01 30% 16V
C39 1-161-379-00 s CERAMIC 0.01 30% 16V
C65 1-124-499-11 s ELECT 1 20% 50V
C66 1-124-499-11 s ELECT 1 20% 50V
C168 1-161-379-00 s CERAMIC 0.01 30% 16V

C200 1-126-103-11 s ELECT 470 20% 16V
C201 1-126-103-11 s ELECT 470 20% 16V

CN109 1-506-747-21 o PIN, DIN(DIP) 64P

D1 8-719-901-33 s 1SS133
D2 8-719-901-33 s 1SS133
D3 8-719-901-33 s 1SS133
D4 8-719-901-33 s 1SS133
D5 8-719-901-33 s 1SS133

D12 8-719-901-33 s 1SS133
D13 8-719-901-33 s 1SS133
D14 8-719-901-33 s 1SS133

IC1 8-759-205-76 s TC504013BP(TOSHIBA)
IC2 8-759-132-40 s UPC324C(NEC)
IC3 8-759-132-40 s UPC324C(NEC)
IC4 8-759-969-13 s SN16913P(TI)
IC5 8-759-969-13 s SN16913P(TI)

IC6 8-759-969-13 s SN16913P(TI)
IC7 8-759-969-13 s SN16913P(TI)
IC8 8-759-132-40 s UPC324C(NEC)

L1 1-459-155-00 s (WITH CORE) 45

Q5 8-729-117-54 s 2SA1175
Q6 8-729-117-54 s 2SA1175
Q8 8-729-117-54 s 2SA1175
Q9 8-729-117-54 s 2SA1175
Q14 8-729-900-89 s DTC144ES

Q146 8-729-178-54 s 2SC2785

R22 1-247-885-00 s CARBON 180k 5% 1/6W
R24 1-247-895-00 s CARBON 470k 5% 1/6W
R31 1-247-881-00 s CARBON 120k 5% 1/6W
R43 1-247-885-00 s CARBON 180k 5% 1/6W
R45 1-247-895-00 s CARBON 470k 5% 1/6W

R70 1-247-887-00 s CARBON 220k 5% 1/6W
R72 1-247-881-00 s CARBON 120k 5% 1/6W
R75 1-247-881-00 s CARBON 120k 5% 1/6W
R77 1-247-755-11 s CARBON 1.8k 5% 1/2W
R84 1-247-887-00 s CARBON 220k 5% 1/6W

R86 1-247-881-00 s CARBON 120k 5% 1/6W

Ref No. Parts No. SP Description

RV1 1-228-998-00 s VAR, CARBON 220k
RV2 1-228-998-00 s VAR, CARBON 220k
RV3 1-228-995-00 s VAR, CARBON 22k
RV4 1-228-990-00 s VAR, CARBON 1k
RV5 1-228-996-00 s VAR, CARBON 47k

RV6 1-228-995-00 s VAR, CARBON 22k
RV7 1-228-990-00 s VAR, CARBON 1k
RV10 1-228-996-00 s VAR, CARBON 47k
RV11 1-228-996-00 s VAR, CARBON 47k

AU-87A BOARD

A-6713-335-A o MOUNTED CIRCUIT BOARD, AU-87

C101 1-124-284-00 s ELECT 10 20% 16V
C102 1-162-207-31 s CERAMIC 22PF 5% 50V
C105 1-124-284-00 s ELECT 10 20% 16V
C106 1-162-207-31 s CERAMIC 22PF 5% 50V
C108 1-162-207-31 s CERAMIC 22PF 5% 50V

C113 1-162-282-31 s CERAMIC 100PF 10% 50V
C203 1-161-379-00 s CERAMIC 0.01 30% 16V
C209 1-161-379-00 s CERAMIC 0.01 30% 16V

D101 8-719-901-33 s 1SS133
D102 8-719-901-33 s 1SS133
D103 8-719-200-02 s 10E-2
D104 8-719-200-02 s 10E-2
D105 8-719-901-33 s 1SS133

D106 8-719-901-33 s 1SS133
D107 8-719-901-33 s 1SS133
D108 8-719-901-33 s 1SS133
D109 8-719-109-88 s RD5.6ES-B1
D201 8-719-110-06 s RD8.2ES-B1

D203 8-719-110-12 s RD9.1ES-B1
D204 8-719-110-12 s RD9.1ES-B1
D205 8-719-109-59 s RD2.7ES-B1

IC100 8-759-705-62 s NJM4562D-D(JRC)
IC101 8-759-705-62 s NJM4562D-D(JRC)
IC102 8-759-240-51 s TC4051BP(TOSHIBA)

Q101 8-729-306-92 s 2SD669A
Q102 8-729-304-92 s 2SB649A
Q103 8-729-117-54 s 2SA1175
Q104 8-729-201-05 s 2SAC2878-B
Q105 8-729-306-92 s 2SD669A

Q106 8-729-304-92 s 2SB649A
Q107 8-729-201-05 s 2SC2878-B
Q108 8-729-117-54 s 2SA1175
Q109 8-729-306-92 s 2SD669A
Q110 8-729-304-92 s 2SB649A

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
Q111	8-729-201-05	s	2SC2878-B
Q112	8-729-117-54	s	2SA1175
Q113	8-729-201-05	s	2SC2878-B
Q114	8-729-117-54	s	2SA1175
Q201	8-729-373-92	s	2SB739
Q202	8-729-378-84	s	2SD788
Q203	8-729-178-54	s	2SC2785
Q204	8-729-117-54	s	2SA1175
Q205	8-729-378-84	s	2SD788
Q206	8-729-373-92	s	2SB739
R108	1-247-727-11	s	CARBON 10 5% 1/2W
R109	1-247-727-11	s	CARBON 10 5% 1/2W
R120	1-247-727-11	s	CARBON 10 5% 1/2W
R121	1-247-727-11	s	CARBON 10 5% 1/2W
R131	1-247-727-11	s	CARBON 10 5% 1/2W
R132	1-247-727-11	s	CARBON 10 5% 1/2W
R202	1-247-764-11	s	CARBON 10k 5% 1/2W
R204	1-247-760-11	s	CARBON 4.7k 5% 1/2W
R205	1-247-745-11	s	CARBON 330 5% 1/2W
R208	1-247-764-11	s	CARBON 10k 5% 1/2W
R212	1-247-745-11	s	CARBON 330 5% 1/2W
RV1	1-228-993-00	s	VAR, CARBON 4.7k
RV2	1-228-993-00	s	VAR, CARBON 4.7k
RV3	1-228-995-00	s	VAR, CARBON 22k
T101	1-427-586-11	s	INPUT/OUTPUT
T102	1-427-586-11	s	INPUT/OUTPUT
T103	1-427-586-11	s	INPUT/OUTPUT

BC-11A BOARD

A-6725-619-A o MOUNTED CIRCUIT BOARD, BC-11A

C105	1-161-379-00	s	CERAMIC 0.01 30% 16V
C106	1-162-282-31	s	CERAMIC 100PF 10% 50V
C123	1-161-379-00	s	CERAMIC 0.01 30% 16V
C124	1-161-379-00	s	CERAMIC 0.01 30% 16V
C402	1-161-379-00	s	CERAMIC 0.01 30% 16V

C405	1-102-116-00	s	CERAMIC 680PF 10% 50V
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CN108	1-506-747-21	o	PIN, CIN(DIP) 64P
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D101	8-719-101-97	s	1SS97-1
D102	8-719-101-97	s	1SS97-1
D105	8-719-901-33	s	1SS133
D402	8-719-901-33	s	1SS133
D403	8-719-901-33	s	1SS133

Ref No.	Parts No.	SP	Description
IC101	8-759-700-04	s	NJM2043D-D(JRC)
IC104	8-759-729-03	s	NJM2903D(JRC)
IC401	8-759-944-64	s	MB88525-179M(FUJITSU)
IC404	8-759-000-99	s	MC74HC74N(TOSHIBA)
Q102	8-729-178-54	s	2SC2785
Q103	8-729-178-54	s	2SC2785
Q104	8-729-201-05	s	2SC2878-B
Q105	8-729-178-54	s	2SC2785
Q106	8-729-178-54	s	2SC2785
Q107	8-729-178-54	s	2SC2785
Q108	8-729-900-65	s	DTA144ES
Q109	8-729-900-89	s	DTC144ES
Q111	8-729-178-54	s	2SC2785
Q115	8-729-117-54	s	2SA1175
Q116	8-729-178-54	s	2SC2785
Q407	8-729-900-89	s	DTC144ES
Q413	8-729-900-89	s	DTC144ES
Q414	8-729-900-89	s	DTC144ES
Q415	8-729-900-89	s	DTC144ES
Q416	8-729-178-54	s	2SC2785
Q420	8-729-900-89	s	DTC144ES
Q421	8-729-900-89	s	DTC144ES
Q422	8-729-900-89	s	DTC144ES
Q424	8-729-900-89	s	DTC144ES
Q427	8-729-900-74	s	DTC143TS
R430	1-247-903-00	s	CARBON 1M 5% 1/4W
RV101	1-228-996-00	s	VAR, CARBON 47k
X401	1-567-143-00	s	OSCILLATOR, CERAMIC 6MHz

Ref No. Parts No. SP Description

CC-31 BOARD

1-622-255-11 o PRINTED CIRCUIT BOARD, CC-31

R1 1-247-705-11 s CARBON 270 5% 1/4W
R2 1-247-717-11 s CARBON 2.2K 5% 1/4W
R3 1-247-705-11 s CARBON 270 5% 1/4W
R4 1-247-717-11 s CARBON 2.2K 5% 1/4W

CC-32 BOARD

1-622-256-11 o PRINTED CIRCUIT BOARD, CC-32

IC1 8-719-940-86 s GP1L53(SHARP)

CC-33 BOARD

1-622-257-11 o PRINTED CIRCUIT BOARD, CC-33

IC2 8-719-940-86 s GP1L53(SHARP)

CP-109A BOARD

1-622-706-21 o PRINTED CIRCUIT BOARD, CP-109

C1 1-124-236-00 s ELECT 100 20% 10V
C3 1-124-584-00 s ELECT 47 20% 16V
C4 1-124-584-00 s ELECT 47 20% 16V

Q2 8-729-600-24 o 2SC403SP-51

S2 1-570-145-11 s SLIDE "75 ohm ON/OFF"
S4 1-570-145-11 s SLIDE "FRAMING"
S5 1-570-145-11 s SLIDE "EXT TBC"

Ref No. Parts No. SP Description

DM-54A BOARD

A-6710-956-A o MOUNTED CIRCUIT BOARD, DM-54A

C1 1-161-494-00 s CERAMIC 0.022 30% 25V
C2 1-124-236-00 s ELECT 47 20% 16V
C3 1-161-379-00 s CERAMIC 0.01 30% 16V
C4 1-124-236-00 s ELECT 47 20% 16V
C5 1-161-379-00 s CERAMIC 0.01 30% 16V

C8 1-124-462-00 s ELECT 10 20% 16V
C11 1-161-494-00 s CERAMIC 0.022 30% 25V
C16 1-161-494-00 s CERAMIC 0.022 30% 25V
C25 1-124-236-00 s ELECT 47 20% 16V
C28 1-161-494-00 s CERAMIC 0.022 30% 25V

C29 1-161-494-00 s CERAMIC 0.022 30% 25V
C31 1-124-236-00 s ELECT 47 20% 16V
C32 1-161-494-00 s CERAMIC 0.022 30% 25V
C33 1-161-494-00 s CERAMIC 0.022 30% 25V
C35 1-161-494-00 s CERAMIC 0.022 30% 25V

C36 1-124-236-00 s ELECT 47 20% 16V
C39 1-161-494-00 s CERAMIC 0.022 30% 25V
C43 1-124-584-00 s ELECT 100 20% 10V
C46 1-124-584-00 s ELECT 100 20% 10V
C47 1-124-584-00 s ELECT 100 20% 10V

C51 1-124-584-00 s ELECT 100 20% 10V
C52 1-124-584-00 s ELECT 100 20% 10V
C54 1-124-584-00 s ELECT 100 20% 10V
C57 1-124-584-00 s ELECT 100 20% 10V
C59 1-124-584-00 s ELECT 100 20% 10V

C62 1-124-236-00 s ELECT 47 20% 16V
C63 1-161-494-00 s CERAMIC 0.022 30% 25V
C64 1-124-584-00 s ELECT 100 20% 10V
C66 1-124-584-00 s ELECT 100 20% 10V
C69 1-124-584-00 s ELECT 100 20% 10V

C71 1-124-584-00 s ELECT 100 20% 10V
C73 1-162-294-31 s CERAMIC 0.001 10% 50V
C74 1-161-379-00 s CERAMIC 0.01 30% 16V
C75 1-124-462-00 s ELECT 10 20% 16V
C76 1-124-257-00 s ELECT 2.2 20% 50V

C77 1-124-584-00 s ELECT 100 20% 10V
C78 1-161-494-00 s CERAMIC 0.022 30% 25V
C79 1-124-236-00 s ELECT 47 20% 16V
C80 1-124-584-00 s ELECT 100 20% 10V
C81 1-124-236-00 s ELECT 47 20% 16V

C82 1-161-494-00 s CERAMIC 0.022 30% 25V
C83 1-124-584-00 s ELECT 100 20% 10V
C86 1-124-584-00 s ELECT 100 20% 10V
C89 1-124-584-00 s ELECT 100 20% 10V
C90 1-124-236-00 s ELECT 47 20% 16V

C91 1-124-584-00 s ELECT 100 20% 10V
C92 1-124-236-00 s ELECT 47 20% 16V
C93 1-124-236-00 s ELECT 47 20% 16V
C94 1-161-494-00 s CERAMIC 0.022 30% 25V
C98 1-161-494-00 s CERAMIC 0.022 30% 25V

C100 1-162-286-31 s CERAMIC 220PF 10% 50V
C101 1-162-286-31 s CERAMIC 220PF 10% 50V
C102 1-161-379-00 s CERAMIC 0.01 30% 16V
C104 1-102-112-00 s CERAMIC 330PF 10% 50V
C201 1-124-236-00 s ELECT 47 20% 16V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

C202 1-161-494-00 s CERAMIC 0.022 30% 25V
 C203 1-161-379-00 s CERAMIC 0.01 30% 16V
 C205 1-161-379-00 s CERAMIC 0.01 30% 16V
 C209 1-124-245-00 s ELECT 4.7 20% 16V
 C210 1-161-379-00 s CERAMIC 0.01 30% 16V

C212 1-124-255-00 s ELECT 1 20% 50V
 C213 1-161-379-00 s CERAMIC 0.01 30% 16V
 C215 1-124-236-00 s ELECT 47 20% 16V
 C216 1-161-494-00 s CERAMIC 0.022 30% 25V
 C217 1-161-494-00 s CERAMIC 0.022 30% 25V

C218 1-124-236-00 s ELECT 47 20% 16V
 C219 1-124-236-00 s ELECT 47 20% 16V
 C220 1-124-584-00 s ELECT 100 20% 10V
 C221 1-124-584-00 s ELECT 100 20% 10V
 C252 1-124-236-00 s ELECT 47 20% 16V

C253 1-161-494-00 s CERAMIC 0.022 30% 25V
 C301 1-126-103-11 s ELECT 470 20% 16V
 C302 1-161-494-00 s CERAMIC 0.022 30% 25V
 C303 1-161-379-00 s CERAMIC 0.01 30% 16V
 C304 1-161-379-00 s CERAMIC 0.01 30% 16V

C305 1-161-379-00 s CERAMIC 0.01 30% 16V
 C307 1-161-379-00 s CERAMIC 0.01 30% 16V
 C309 1-161-379-00 s CERAMIC 0.01 30% 16V
 C312 1-124-255-00 s ELECT 1 20% 50V
 C314 1-161-379-00 s CERAMIC 0.01 30% 16V

C401 1-124-236-00 s ELECT 47 20% 16V
 C402 1-124-236-00 s ELECT 47 20% 16V
 C403 1-124-584-00 s ELECT 100 20% 10V
 C404 1-124-236-00 s ELECT 47 20% 16V
 C405 1-124-236-00 s ELECT 47 20% 16V

C406 1-161-494-00 s CERAMIC 0.022 30% 25V
 C407 1-124-584-00 s ELECT 100 20% 10V
 C408 1-124-584-00 s ELECT 100 20% 10V
 C411 1-124-236-00 s ELECT 47 20% 16V
 C412 1-124-236-00 s ELECT 47 20% 16V

C413 1-161-494-00 s CERAMIC 0.022 30% 25V
 C414 1-124-236-00 s ELECT 47 20% 16V
 C417 1-124-236-00 s ELECT 47 20% 16V
 C418 1-161-494-00 s CERAMIC 0.022 30% 25V
 C426 1-124-236-00 s ELECT 47 20% 16V

C428 1-102-114-00 s CERAMIC 470PF 10% 50V
 C430 1-124-236-00 s ELECT 47 20% 16V
 C433 1-161-494-00 s CERAMIC 0.022 30% 25V
 C501 1-124-236-00 s ELECT 47 20% 16V
 C502 1-161-494-00 s CERAMIC 0.022 30% 25V

C507 1-124-236-00 s ELECT 47 20% 16V
 C509 1-124-462-00 s ELECT 10 20% 16V
 C511 1-124-255-00 s ELECT 1 20% 50V
 C512 1-124-257-00 s ELECT 2.2 20% 50V
 C513 1-124-257-00 s ELECT 2.2 20% 50V

C516 1-124-257-00 s ELECT 2.2 20% 50V
 C517 1-124-462-00 s ELECT 10 20% 16V
 C520 1-124-462-00 s ELECT 10 20% 16V
 C521 1-124-462-00 s ELECT 10 20% 16V
 C522 1-124-462-00 s ELECT 10 20% 16V

C523 1-124-257-00 s ELECT 2.2 20% 50V
 C524 1-124-236-00 s ELECT 47 20% 16V
 C525 1-124-236-00 s ELECT 47 20% 16V
 C526 1-161-494-00 s CERAMIC 0.022 30% 25V
 C527 1-124-255-00 s ELECT 1 20% 50V

Ref No. Parts No. SP Description

C529 1-124-462-00 s ELECT 10 20% 16V
 C531 1-124-255-00 s ELECT 1 20% 50V
 C532 1-124-255-00 s ELECT 1 20% 50V
 C533 1-124-236-00 s ELECT 47 20% 16V
 C534 1-161-494-00 s CERAMIC 0.022 30% 25V

C535 1-124-462-00 s ELECT 10 20% 16V
 C537 1-124-462-00 s ELECT 10 20% 16V
 C538 1-124-462-00 s ELECT 10 20% 16V
 C543 1-124-236-00 s ELECT 47 20% 16V
 C544 1-161-494-00 s CERAMIC 0.022 30% 25V

C547 1-124-462-00 s ELECT 10 20% 16V
 C548 1-124-236-00 s ELECT 47 20% 16V
 C549 1-161-494-00 s CERAMIC 0.022 30% 25V
 C550 1-161-379-00 s CERAMIC 0.01 30% 16V
 C552 1-161-379-00 s CERAMIC 0.01 30% 16V

C553 1-161-379-00 s CERAMIC 0.01 30% 16V
 C554 1-161-494-00 s CERAMIC 0.022 30% 25V
 C557 1-161-494-00 s CERAMIC 0.022 30% 25V
 C558 1-161-494-00 s CERAMIC 0.022 30% 25V
 C559 1-161-494-00 s CERAMIC 0.022 30% 25V

C561 1-124-236-00 s ELECT 47 20% 16V
 C562 1-161-494-00 s CERAMIC 0.022 30% 25V
 C563 1-124-236-00 s ELECT 47 20% 16V
 C564 1-124-236-00 s ELECT 47 20% 16V
 C566 1-124-462-00 s ELECT 10 20% 16V

C570 1-124-255-00 s ELECT 1 20% 50V
 C571 1-161-494-00 s CERAMIC 0.022 30% 25V
 C572 1-124-236-00 s ELECT 47 20% 16V
 C573 1-124-462-00 s ELECT 10 20% 16V
 C574 1-101-890-00 s CERAMIC 75PF 5% 50V

C575 1-124-236-00 s ELECT 47 20% 16V
 C576 1-161-494-00 s CERAMIC 0.022 30% 25V
 C578 1-161-494-00 s CERAMIC 0.022 30% 25V
 C580 1-124-236-00 s ELECT 47 20% 16V
 C582 1-161-494-00 s CERAMIC 0.022 30% 25V

C583 1-162-294-31 s CERAMIC 0.001 10% 50V
 C587 1-161-494-00 s CERAMIC 0.022 30% 25V
 C588 1-124-236-00 s ELECT 47 20% 16V
 C591 1-124-236-00 s ELECT 47 20% 16V
 C592 1-161-494-00 s CERAMIC 0.022 30% 25V

C595 1-124-236-00 s ELECT 47 20% 16V
 C596 1-161-494-00 s CERAMIC 0.022 30% 25V
 C601 1-124-255-00 s ELECT 1 20% 50V
 C602 1-161-494-00 s CERAMIC 0.022 30% 25V
 C604 1-124-236-00 s ELECT 47 20% 16V

C605 1-161-494-00 s CERAMIC 0.022 30% 25V
 C606 1-161-494-00 s CERAMIC 0.022 30% 25V
 C607 1-161-494-00 s CERAMIC 0.022 30% 25V
 C608 1-161-494-00 s CERAMIC 0.022 30% 25V
 C609 1-161-494-00 s CERAMIC 0.022 30% 25V

Parts that are not listed in the "reference number order list"
 are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
C610	1-124-236-00	s	ELECT 47 20% 16V
C611	1-161-494-00	s	CERAMIC 0.022 30% 25V
C613	1-124-255-00	s	ELECT 1 20% 50V
C616	1-124-462-00	s	ELECT 10 20% 16V
C617	1-161-494-00	s	CERAMIC 0.022 30% 25V
C618	1-124-236-00	s	ELECT 47 20% 16V
C619	1-161-494-00	s	CERAMIC 0.022 30% 25V
C620	1-124-462-00	s	ELECT 10 20% 16V
C621	1-123-321-00	s	ELECT 220 20% 16V
C622	1-124-236-00	s	ELECT 47 20% 16V
C623	1-161-494-00	s	CERAMIC 0.022 30% 25V
C625	1-124-462-00	s	ELECT 10 20% 16V
C626	1-124-462-00	s	ELECT 10 20% 16V
C627	1-124-462-00	s	ELECT 10 20% 16V
C628	1-124-462-00	s	ELECT 10 20% 16V
C629	1-161-379-00	s	CERAMIC 0.01 30% 16V
C630	1-161-379-00	s	CERAMIC 0.01 30% 16V
C631	1-161-379-00	s	CERAMIC 0.01 30% 16V
C632	1-161-379-00	s	CERAMIC 0.01 30% 16V
C633	1-161-494-00	s	CERAMIC 0.022 30% 25V
C634	1-161-494-00	s	CERAMIC 0.022 30% 25V
C635	1-124-236-00	s	ELECT 47 20% 16V
C636	1-161-494-00	s	CERAMIC 0.022 30% 25V
C638	1-124-462-00	s	ELECT 10 20% 16V
C639	1-124-462-00	s	ELECT 10 20% 16V
CN103	1-506-747-21	o	PIN, DIN (DIP) 64P
CN104	1-506-747-21	o	PIN, DIN (DIP) 64P
CV1	1-141-227-00	s	CAP, CERAMIC TRIMMER
CV2	1-141-227-00	s	CAP, CERAMIC TRIMMER
CV3	1-141-304-21	s	TRIMAR, CERAMIC
D1	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
D5	8-719-911-19	s	1SS119
D6	8-719-911-19	s	1SS119
D7	8-719-109-70	s	RD3.9ESB
D251	8-719-911-19	s	1SS119
D301	8-719-101-97	s	1SS97-1
D302	8-719-101-97	s	1SS97-1
D303	8-719-911-19	s	1SS119
D304	8-719-104-10	s	1SS99
D305	8-719-911-19	s	1SS119
D401	8-719-911-19	s	1SS119
D402	8-719-911-19	s	1SS119
D403	8-719-110-11	s	RD9.1ES-B
D404	8-719-911-19	s	1SS119
D501	8-719-911-19	s	1SS119
D502	8-719-911-19	s	1SS119
D503	8-719-911-19	s	1SS119
D505	8-719-911-19	s	1SS119

Ref No.	Parts No.	SP	Description
D509	8-719-911-19	s	1SS119
D510	8-719-911-19	s	1SS119
D511	8-719-911-19	s	1SS119
D512	8-719-911-19	s	1SS119
D514	8-719-104-10	s	1SS99
D515	8-719-104-10	s	1SS99
D516	8-719-104-10	s	1SS99
D517	8-719-104-10	s	1SS99
D518	8-719-911-19	s	1SS119
D519	8-719-911-19	s	1SS119
D522	8-719-911-19	s	1SS119
D523	8-719-911-19	s	1SS119
DL1	1-415-162-21	s	50ns
DL2	1-415-154-00	s	35ns
DL3	1-415-452-21	s	810ns
DL4	1-415-545-11	s	350ns
DL502	1-415-402-11	s	300ns
DL504	1-415-544-11	s	450ns
DL506	1-415-402-11	s	300ns
FL1	1-235-623-11	s	HPF
FL2	1-231-581-21	s	HPF
FL3	1-235-469-11	s	LPF
FL4	1-235-475-12	s	LPF
FL201	1-235-469-11	s	LPF
FL501	1-235-617-11	s	LPF
FL502	1-235-048-21	s	LPF
FL503	1-235-619-11	s	BPF
FL504	1-235-618-21	s	BPF
IC1	8-751-340-10	s	CX-134A(SONY)
IC2	8-752-006-00	s	CX20060(SONY)
IC3	8-741-114-00	s	BX1140(SONY)
IC4	8-751-350-10	s	CX-135(SONY)
IC5	8-759-240-53	s	TC4053BP(TOSHIBA)
IC6	8-749-938-90	s	BX389(SONY)
IC7	8-741-124-90	s	BX1249(SONY)
IC8	8-741-124-90	s	BX1249(SONY)
IC9	8-759-145-58	s	UPC4558C(JRC)
IC10	8-752-006-00	s	CX20060(SONY)
IC11	8-759-400-06	s	AN608P(MATSUSHITA)
IC12	8-749-900-94	s	BX-1472(SONY)
IC201	8-759-207-38	s	TA7374P(TOSHIBA)
IC202	8-752-320-32	s	CXL5001P(SONY)
IC203	8-759-708-09	s	NJM78L09A(JRC)
IC204	8-749-938-90	s	BX389(SONY)
IC251	8-741-124-80	s	BX1248(SONY)
IC301	8-759-200-60	s	TA7060AP(TOSHIBA)
IC302	8-752-006-00	s	CX20060(SONY)
IC303	8-749-900-68	s	BX-1447L(SONY)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
IC304	8-749-900-59	s	BX-1448L(SONY)	L506	1-410-482-31	s	MICRO 100
IC305	8-759-345-38	s	HD14538BP(HITACHI)	L507	1-410-482-31	s	MICRO 100
IC401	8-743-880-00	s	BX388(SONY)	L508	1-410-482-31	s	MICRO 100
IC402	8-752-006-00	s	CX20060(SONY)	L509	1-410-482-31	s	MICRO 100
IC403	8-759-240-53	s	TC4053BP(TOSHIBA)	L510	1-410-478-11	s	MICRO 47
IC404	8-749-900-63	s	BX365AL(ROHM)	L512	1-410-482-31	s	MICRO 100
IC405	8-749-901-03	s	BX366AL(ROHM)	L513	1-410-482-31	s	MICRO 100
IC406	8-749-900-63	s	BX365AL(ROHM)	L514	1-410-482-31	s	MICRO 100
IC407	8-749-901-03	s	BX366AL(ROHM)	L516	1-410-482-31	s	MICRO 100
IC408	8-759-201-47	s	TA7357AP(TOSHIBA)	L517	1-410-482-31	s	MICRO 100
IC501	8-741-124-70	s	BX1247(SONY)	L518	1-410-482-31	s	MICRO 100
IC502	8-752-006-00	s	CX20060(SONY)	L519	1-410-482-31	s	MICRO 100
IC503	8-749-938-90	s	BX389(SONY)	L520	1-410-482-31	s	MICRO 100
IC504	8-752-006-00	s	CX20060(SONY)	L521	1-410-482-31	s	MICRO 100
IC505	8-741-125-80	s	BX1258(SONY)				
IC506	8-741-125-00	s	BX1250(SONY)				
IC507	8-741-125-21	s	BX1252A(SONY)	LV1	1-407-573-00	s	VAR, 47
IC508	8-741-126-40	s	BX1264(SONY)	LV301	1-407-569-00	s	VAR, 10
IC509	8-752-006-00	s	CX20060(SONY)				
IC510	8-759-014-96	s	MC1496P(MOTOROLA)				
IC511	8-759-908-59	s	CX-859(SONY)	Q1	8-729-603-50	s	2SC403SP
IC512	8-750-000-46	s	CX-872(SONY)	Q2	8-729-603-50	s	2SC403SP
IC513	8-752-006-00	s	CX20060(SONY)	Q3	8-729-603-50	s	2SC403SP
IC514	8-741-125-10	s	BX1251(SONY)	Q5	8-729-900-89	s	DTC144ES
IC515	8-759-345-38	s	HD14538BP(HITACHI)	Q6	8-729-201-05	s	2SC2878-B
IC516	8-749-900-87	s	BX-1470L(SONY)	Q7	8-729-603-50	s	2SC403SP
IC517	8-759-922-61	s	SN16913P-A(TI)	Q8	8-729-603-50	s	2SC403SP
IC518	8-759-200-60	s	TA7060AP(TOSHIBA)	Q9	8-729-603-50	s	2SC403SP
				Q10	8-729-901-42	s	2SC1740S-S
				Q11	8-729-113-32	s	2SB733
L1	1-410-482-31	s	MICRO 100	Q13	8-729-603-50	s	2SC403SP
L2	1-410-087-31	s	MICRO 10mH	Q14	8-729-603-50	s	2SC403SP
L3	1-410-471-11	s	MICRO 12	Q15	8-729-900-89	s	DTC144ES
L4	1-410-471-11	s	MICRO 12	Q16	8-729-901-42	s	2SC1740S-S
L5	1-410-087-31	s	MICRO 10mH	Q17	8-729-603-50	s	2SC403SP
L7	1-410-473-11	s	MICRO 18	Q18	8-729-611-53	s	2SA1115-F
L9	1-410-092-31	s	MICRO 27mH	Q19	8-729-603-50	s	2SC403SP
L10	1-410-461-41	s	MICRO 1.8	Q20	8-729-603-50	s	2SC403SP
L15	1-410-482-31	s	MICRO 100	Q21	8-729-603-50	s	2SC403SP
L16	1-410-482-31	s	MICRO 100	Q22	8-729-603-50	s	2SC403SP
L17	1-410-482-31	s	MICRO 100	Q23	8-729-603-50	s	2SC403SP
L18	1-410-473-11	s	MICRO 18	Q24	8-729-603-50	s	2SC403SP
L19	1-410-476-11	s	MICRO 33	Q25	8-729-105-72	s	2SK523-L1
L22	1-410-482-31	s	MICRO 100	Q26	8-729-201-05	s	2SC2878-B
L23	1-410-482-31	s	MICRO 100	Q27	8-729-201-05	s	2SC2878-B
L24	1-410-482-31	s	MICRO 100	Q28	8-729-603-50	s	2SC403SP
L25	1-410-473-11	s	MICRO 18	Q29	8-729-611-53	s	2SA1115-F
L26	1-410-087-31	s	MICRO 10mH	Q30	8-729-603-50	s	2SC403SP
L28	1-410-482-31	s	MICRO 100	Q31	8-729-603-50	s	2SC403SP
L201	1-410-482-31	s	MICRO 100	Q32	8-729-603-50	s	2SC403SP
L202	1-410-482-31	s	MICRO 100	Q33	8-729-603-50	s	2SC403SP
L252	1-410-482-31	s	MICRO 100	Q34	8-729-603-50	s	2SC403SP
L301	1-410-482-31	s	MICRO 100	Q35	8-729-603-50	s	2SC403SP
L401	1-410-482-31	s	MICRO 100	Q36	8-729-603-50	s	2SC403SP
L402	1-410-482-31	s	MICRO 100	Q37	8-729-201-05	s	2SC2878-B
L403	1-410-482-31	s	MICRO 100				
L404	1-410-482-31	s	MICRO 100				
L501	1-410-482-31	s	MICRO 100				
L502	1-410-482-31	s	MICRO 100				
L504	1-410-482-31	s	MICRO 100				

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
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Q38	8-729-603-50	s	2SC403SP
Q39	8-729-603-50	s	2SC403SP
Q40	8-729-603-50	s	2SC403SP
Q41	8-729-603-50	s	2SC403SP
Q42	8-729-603-50	s	2SC403SP

Q43	8-729-900-89	s	DTC144ES
Q46	8-729-901-42	s	2SC1740S-S
Q48	8-729-201-05	s	2SC2878-B
Q49	8-729-603-50	s	2SC403SP
Q50	8-729-603-50	s	2SC403SP

Q201	8-729-603-50	s	2SC403SP
Q202	8-729-611-53	s	2SA1115-F
Q301	8-729-901-41	s	2SC1740S-R
Q302	8-729-901-42	s	2SC1740S-S
Q304	8-729-901-42	s	2SC1740S-S

Q305	8-729-901-42	s	2SC1740S-S
Q307	8-729-901-42	s	2SC1740S-S
Q308	8-729-900-89	s	DTC144ES
Q309	8-729-603-50	s	2SC403SP
Q401	8-729-900-89	s	DTC144ES

Q402	8-729-603-50	s	2SC403SP
Q403	8-729-201-05	s	2SC2878-B
Q404	8-729-201-05	s	2SC2878-B
Q405	8-729-603-50	s	2SC403SP
Q406	8-729-275-42	s	2SC2754-Y

Q407	8-729-275-42	s	2SC2754-Y
Q408	8-729-900-89	s	DTC144ES
Q409	8-729-611-53	s	2SA1115-F
Q410	8-729-611-53	s	2SA1115-F
Q411	8-729-611-53	s	2SA1115-F

Q412	8-729-611-53	s	2SA1115-F
Q413	8-729-900-89	s	DTC144ES
Q503	8-729-603-50	s	2SC403SP
Q504	8-729-603-50	s	2SC403SP
Q505	8-729-603-50	s	2SC403SP

Q506	8-729-901-42	s	2SC1740S-S
Q507	8-729-201-05	s	2SC2878-B
Q508	8-729-603-50	s	2SC403SP
Q509	8-729-603-50	s	2SC403SP
Q510	8-729-201-05	s	2SC2878-B

Q520	8-729-603-50	s	2SC403SP
Q521	8-729-900-89	s	DTC144ES
Q522	8-729-603-50	s	2SC403SP
Q523	8-729-201-05	s	2SC2878-B
Q524	8-729-201-05	s	2SC2878-B

Q526	8-729-901-42	s	2SC1740S-S
Q527	8-729-611-53	s	2SA1115-F
Q528	8-729-201-05	s	2SC2878-B
Q529	8-729-201-05	s	2SC2878-B
Q530	8-729-201-05	s	2SC2878-B

Ref No.	Parts No.	SP	Description
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Q533	8-729-901-42	s	2SC1740S-S
Q534	8-729-901-42	s	2SC1740S-S
Q535	8-729-901-42	s	2SC1740S-S
Q536	8-729-603-50	s	2SC403SP
Q537	8-729-901-42	s	2SC1740S-S

Q538	8-729-901-42	s	2SC1740S-S
Q539	8-729-901-42	s	2SC1740S-S
Q540	8-729-901-42	s	2SC1740S-S
Q541	8-729-611-53	s	2SA1115-F
Q542	8-729-901-42	s	2SC1740S-S

Q543	8-729-901-42	s	2SC1740S-S
Q545	8-729-603-50	s	2SC403SP
Q546	8-729-603-50	s	2SC403SP
Q547	8-729-603-50	s	2SC403SP
Q548	8-729-603-50	s	2SC403SP

Q549	8-729-900-89	s	DTC144ES
Q550	8-729-603-50	s	2SC403SP
Q551	8-729-603-50	s	2SC403SP
Q553	8-729-900-89	s	DTC144ES

R97	1-247-887-00	s	CARBON	220k	5%	1/6W
R207	1-247-903-00	s	CARBON	1M	5%	1/4W
R442	1-247-883-00	s	CARBON	150k	5%	1/6W
R443	1-247-895-00	s	CARBON	470k	5%	1/6W
R609	1-247-901-11	s	CARBON	820k	5%	1/4W

R613	1-247-893-11	s	CARBON	390k	5%	1/4W
R623	1-247-885-00	s	CARBON	180k	5%	1/6W

RV1	1-228-990-00	s	VAR, CARBON	1k		
RV2	1-228-990-00	s	VAR, CARBON	1k		
RV3	1-228-990-00	s	VAR, CARBON	1k		
RV4	1-228-991-00	s	VAR, CARBON	2.2k		
RV5	1-228-991-00	s	VAR, CARBON	2.2k		

RV6	1-228-991-00	s	VAR, CARBON	2.2k		
RV8	1-228-995-00	s	VAR, CARBON	22k		
RV9	1-228-991-00	s	VAR, CARBON	2.2k		
RV10	1-228-991-00	s	VAR, CARBON	2.2k		
RV11	1-228-991-00	s	VAR, CARBON	2.2k		

RV12	1-228-991-00	s	VAR, CARBON	2.2k		
RV13	1-228-995-00	s	VAR, CARBON	22k		
RV14	1-228-991-00	s	VAR, CARBON	2.2k		
RV15	1-228-990-00	s	VAR, CARBON	1k		
RV16	1-228-991-00	s	VAR, CARBON	2.2k		

RV201	1-228-989-00	s	VAR, CARBON	470		
RV251	1-228-993-00	s	VAR, CARBON	4.7k		
RV301	1-228-994-00	s	VAR, CARBON	10k		
RV401	1-228-991-00	s	VAR, CARBON	2.2k		
RV402	1-228-990-00	s	VAR, CARBON	1k		

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
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RV403	1-228-993-00	s	VAR, CARBON 4.7k
RV501	1-228-991-00	s	VAR, CARBON 2.2k
RV502	1-228-990-00	s	VAR, CARBON 1k
RV503	1-228-991-00	s	VAR, CARBON 2.2k
RV504	1-228-989-00	s	VAR, CARBON 470

RV505	1-228-993-00	s	VAR, CARBON 4.7k
RV506	1-228-995-00	s	VAR, CARBON 22k
RV507	1-228-994-00	s	VAR, CARBON 10k
RV508	1-228-994-00	s	VAR, CARBON 10k
RV509	1-228-995-00	s	VAR, CARBON 22k

RV510	1-228-994-00	s	VAR, CARBON 10k
RV511	1-228-993-00	s	VAR, CARBON 4.7k
RV513	1-228-991-00	s	VAR, CARBON 2.2k
RV514	1-228-991-00	s	VAR, CARBON 2.2k
RV515	1-228-991-00	s	VAR, CARBON 2.2k

RV516	1-228-990-00	s	VAR, CARBON 1k
RV517	1-228-990-00	s	VAR, CARBON 1k
RV518	1-228-993-00	s	VAR, CARBON 4.7k
RV519	1-228-995-00	s	VAR, CARBON 22k
RV520	1-228-995-00	s	VAR, CARBON 22k

RV521	1-228-991-00	s	VAR, CARBON 2.2k
RV522	1-228-993-00	s	VAR, CARBON 4.7k
RV523	1-228-991-00	s	VAR, CARBON 2.2k
RV524	1-228-990-00	s	VAR, CARBON 1k

S301	1-552-509-00	s	DIP
S501	1-552-509-00	s	DIP

T501	1-425-785-21	s	TRANSFORMER, BURST AMP (BAT)
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TH1	1-800-200-00	s	THERMISTOR S-3K
TH501	1-800-200-00	s	THERMISTOR S-3K
TH502	1-800-200-00	s	THERMISTOR S-3K

X501	1-527-376-00	s	CRYSTAL 3.579545MHz
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Ref No.	Parts No.	SP	Description
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DP-62 BOARD

D201	8-719-942-19	s	LB-402VK
D202	8-719-942-19	s	LB-402VK
D203	8-719-942-19	s	LB-402VK
D204	8-719-942-19	s	LB-402VK

S202	1-552-539-00	s	KEY BOARD "RESET"
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DR-53 BOARD

This board includes the DR-59 board.

A-6715-367-A o MOUNTED CIRCUIT BOARD, DR-53

C9	1-102-121-00	s	CERAMIC	0.0022 10% 50V
C10	1-102-121-00	s	CERAMIC	0.0022 10% 50V
C11	1-102-121-00	s	CERAMIC	0.0022 10% 50V
C12	1-102-121-00	s	CERAMIC	0.0022 10% 50V

CN1	1-566-096-11	s	PIN, BOARD TO BOARD 12P (DR-53 to DR-59)
CN806	1-508-900-00	s	(M) 2P

D1	8-719-911-55	s	U05G
D2	8-719-200-02	s	10E-2
D3	8-719-200-02	s	10E-2
D4	8-719-200-02	s	10E-2

PS1	1-532-686-00	s	LINK, IC
PS2	1-532-686-00	s	LINK, IC

Q1	8-729-114-11	s	2SA1141
Q2	8-729-102-57	s	2SC3012
Q3	8-729-114-11	s	2SA1141
Q4	8-729-102-57	s	2SC3012
Q5	8-729-177-42	s	2SD774-3

Q6	8-729-377-12	s	2SA771
Q7	8-729-377-12	s	2SA771
Q8	8-729-177-42	s	2SD774-3
Q9	8-729-377-12	s	2SA771
Q10	8-729-377-12	s	2SA771

R2	1-217-156-00	s	VAR, METAL PLATE 0.22
R4	1-217-156-00	s	VAR, METAL PLATE 0.22
R5	1-247-887-00	s	CARBON 220k 5% 1/6W
R6	1-207-620-00	s	WIREWOUND 1 10% 3W
R7	1-247-887-00	s	CARBON 220k 5% 1/6W
R8	1-207-620-00	s	WIREWOUND 1 10% 3W

RV1	1-228-989-00	s	VAR, CARBON 470
RV2	1-228-989-00	s	VAR, CARBON 470

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

DR-59 BOARD

Q101 8-729-177-42 s 2SB774
Q102 8-729-103-43 s 2SB734
Q103 8-729-177-42 s 2SB774
Q104 8-729-103-43 s 2SB734

R101 1-247-887-00 s CARBON 220k 5% 1/6W
R102 1-247-741-11 s CARBON 150 5% 1/2W
R103 1-215-914-11 s WIREWOUND 330 10% 3W
R104 1-207-628-00 s WIREWOUND 10 10% 3W
R105 1-247-887-00 s CARBON 220k 5% 1/6W

R106 1-247-741-11 s CARBON 150 5% 1/2W
R107 1-215-914-11 s WIREWOUND 330 10% 3W
R108 1-207-628-00 s WIREWOUND 10 10% 3W

DUS-92 BOARD

1-615-924-11 o PRINTED CIRCUIT BOARD, DUS-92

DUS-147 BOARD

1-622-261-11 o PRINTED CIRCUIT BOARD, DUS-147

DUS-177 BOARD

1-622-715-11 o PRINTED CIRCUIT BOARD, DUS-177

DUS-178 BOARD

1-622-716-11 o PRINTED CIRCUIT BOARD, DUS-178

EX-127 BOARD

A-6729-494-A s MOUNTED CIRCUIT BOARD, EX-127

CN1 1-506-747-21 o PIN, DIN (DIP) 64P
CN2 1-563-340-21 o HOUSING, (DIP) 64P

Ref No. Parts No. SP Description

EX-128 BOARD

A-6729-495-A s MOUNTED CIRCUIT BOARD, EX-128

CN1 1-506-747-21 o PIN, DIN (DIP) 64P
CN2 1-563-340-21 o HOUSING, (DIP) 64P
CN3 1-506-747-21 o PIN, DIN (DIP) 64P
CN4 1-563-340-21 o HOUSING, (DIP) 64P

HN-80A BOARD

1-622-725-11 o PRINTED CIRCUIT BOARD, HN-80

C1 1-161-379-00 s CERAMIC 0.01 30% 16V
C2 1-161-379-00 s CERAMIC 0.01 30% 16V
C3 1-161-379-00 s CERAMIC 0.01 30% 16V

CN227 1-566-508-11 o PLUG, (PCB-PCB) 20P
CN228 1-566-508-11 o PLUG, (PCB-PCB) 20P

D1 8-719-200-02 s 10E-2
D2 8-719-911-19 s 1SS119
D3 8-719-911-19 s 1SS119
D5 8-719-200-02 s 10E-2
D6 8-719-200-02 s 10E-2

IC1 8-759-600-24 s M54543L(MITSUBISHI)

△PS1 1-532-686-00 s LINK, IC

HN-83 BOARD

1-622-719-11 o PRINTED CIRCUIT BOARD, HN-83

HN-84 BOARD

1-622-726-11 o PRINTED CIRCUIT BOARD, HN-84

HP-28 BOARD

1-622-730-11 o PRINTED CIRCUIT BOARD, HP-28

C21 1-161-379-00 s CERAMIC 0.01 30% 16V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

KY-144A BOARD

This board includes the DP-62 board.

A-6717-496-A o MOUNTED CIRCUIT BOARD, KY-144A

BT1 1-528-229-11 o BATTERY, LITHIUM (CR-2450)

C2 1-162-211-21 s CERAMIC 33PF 5% 50V
 C3 1-162-211-21 s CERAMIC 33PF 5% 50V
 C8 1-125-443-11 s DOUBLE LAYERS 0.047F 5.5V
 C9 1-124-245-00 s ELECT 4.7 20% 16V
 C10 1-161-379-00 s CERAMIC 0.01 30% 16V

C12 1-162-211-21 s CERAMIC 33PF 5% 50V
 C13 1-162-211-21 s CERAMIC 33PF 5% 50V
 C17 1-124-245-00 s ELECT 4.7 20% 16V

CN1 1-506-696-11 o HEADER 10P
 CN3 1-557-237-11 o WIRE, FLAT TYPE 23P
 (KY-144A to DP-62)

D10 8-719-911-19 s 1SS119
 D11 8-719-911-19 s 1SS119
 D14 8-719-911-19 s 1SS119
 D15 8-719-911-19 s 1SS119
 D16 8-719-911-19 s 1SS119

D17 8-719-911-19 s 1SS119
 D18 8-719-911-19 s 1SS119
 D19 8-719-911-19 s 1SS119
 D22 8-719-911-19 s 1SS119
 D23 8-719-911-19 s 1SS119

D24 8-719-911-19 s 1SS119
 D38 8-719-904-55 s GL-5HD5
 D39 8-719-800-86 s TLG255
 D40 8-719-800-86 s TLG255
 D41 8-719-904-55 s GL-5HD5

D42 8-719-904-55 s GL-5HD5
 D45 8-719-911-19 s 1SS119
 D46 8-719-911-19 s 1SS119
 D48 8-719-200-02 s 10E-2
 D49 8-719-911-19 s 1SS119

D50 8-719-200-02 s 10E-2
 D51 8-719-911-19 s 1SS119
 D52 8-719-911-19 s 1SS119
 D53 8-719-802-11 s TLUG154
 D54 8-719-911-19 s 1SS119

D55 8-719-911-19 s 1SS119

Ref No. Parts No. SP Description

IC1 8-759-605-23 s M50747H-601SP(MITSUBISHI)
 IC2 8-759-645-16 s M54516P(MITSUBISHI)
 IC3 8-759-645-16 s M54516P(MITSUBISHI)
 IC4 8-759-645-16 s M54516P(MITSUBISHI)
 IC5 8-759-600-68 s M54562P(MITSUBISHI)

IC6 8-759-171-05 s UPC7805H(NEC)
 IC7 8-759-937-29 s MB88201H-539N(FUJITSU)
 IC101 8-759-600-61 s M54529AP(MITSUBISHI)
 IC102 8-759-600-61 s M54529AP(MITSUBISHI)

Q2 8-729-900-67 s DTA124XS
 Q3 8-729-900-67 s DTA124XS
 Q4 8-729-900-67 s DTA124XS
 Q5 8-729-275-42 s 2SC2754-Y
 Q6 8-729-275-42 s 2SC2754-Y

Q8 8-729-117-54 s 2SA1175
 Q9 8-729-117-54 s 2SA1175
 Q10 8-729-117-54 s 2SA1175
 Q11 8-729-117-54 s 2SA1175
 Q12 8-729-117-54 s 2SA1175

Q13 8-729-117-54 s 2SA1175
 Q14 8-729-117-54 s 2SA1175
 Q15 8-729-900-89 s DTC144ES
 Q101 8-729-117-54 s 2SA1175
 Q102 8-729-117-54 s 2SA1175

Q105 8-729-117-54 s 2SA1175
 Q106 8-729-117-54 s 2SA1175
 Q107 8-729-117-54 s 2SA1175
 Q108 8-729-117-54 s 2SA1175
 Q109 8-729-117-54 s 2SA1175

R32 1-247-903-91 s CARBON 1M 5% 1/4W

S10 1-571-167-11 s TACTIL "STANBY"
 S11 1-571-167-11 s TACTIL "PREROLL"
 S14 1-552-539-00 s KEY BOARD "SEARCH"
 S15 1-571-169-11 s TACTIL "EJECT"
 S16 1-571-167-31 s TACTIL "REW"

S17 1-571-167-21 s TACTIL "PLAY"
 S18 1-571-167-41 s TACTIL "F FWD"
 S19 1-571-169-21 s TACTIL "STOP"
 S23 1-552-539-00 s KEY BOARD "PLAYER"
 S24 1-552-539-00 s KEY BOARD "RECORDER"

S28 1-516-995-00 s LEVER SLIDE "DATA"
 S29 1-552-539-00 s KEY BOARD "SET"

X1 1-567-869-11 s VIBRATOR, CERAMIC 9.83MHz
 X2 1-567-192-11 s OSCILLATOR, CERAMIC 4MHz

Parts that are not listed in the "reference number order list"
 are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
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LE-53 BOARD

	1-622-720-11	o	PRINTED CIRCUIT BOARD, LE-53
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D1	8-719-930-20	o	HLMP-1302
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LE-54 BOARD

	1-622-717-11	o	PRINTED CIRCUIT BOARD, LE-54
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D1	8-719-930-20	s	HLMP-1302
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LM-13 BOARD

	1-618-600-11	o	PRINTED CIRCUIT BOARD, LM-13
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C1	1-130-471-00	s	PE TEREPHTHALATE 0.001
C2	1-130-471-00	s	PE TEREPHTHALATE 0.001

LP-41 BOARD

	1-623-101-11	o	PRINTED CIRCUIT BOARD, LP-41
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D1	8-719-800-89	s	TLY255
D2	8-719-800-89	s	TLY255
D3	8-719-800-89	s	TLY255

R1	1-247-706-11	s	CARBON 330 5% 1/4W
R2	1-247-706-11	s	CARBON 330 5% 1/4W
R3	1-247-706-11	s	CARBON 330 5% 1/4W

MB-127A BOARD

This board includes the MB-139 board.

	A-6729-731-A	o	MOUNTED CIRCUIT BOARD, MB-127A
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CN101	1-563-336-21	o	HOUSING, (DIP) 64P
CN102	1-563-336-21	o	HOUSING, (DIP) 64P
CN103	1-563-336-21	o	HOUSING, (DIP) 64P
CN104	1-563-336-21	o	HOUSING, (DIP) 64P
CN105	1-563-336-21	o	HOUSING, (DIP) 64P

Ref No.	Parts No.	SP	Description
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CN106	1-563-336-21	o	HOUSING, (DIP) 64P
CN107	1-563-336-21	o	HOUSING, (DIP) 64P
CN108	1-563-336-21	o	HOUSING, (DIP) 64P
CN109	1-563-336-21	o	HOUSING, (DIP) 64P
CN110	1-566-313-11	o	PIN, 7P
	1-562-883-11	o	HOUSING, 7P

CN111	1-564-607-11	o	PIN, 6P
	1-562-287-11	o	HOUSING, 6P
CN227	1-563-994-11	o	SOCKET, (PCB-PCB)20P
CN228	1-563-994-11	o	SOCKET, (PCB-PCB)20P
CN231	1-563-994-11	o	SOCKET, (PCB-PCB)20P

CN232	1-563-994-11	o	SOCKET, (PCB-PCB)20P
CN233	1-563-994-11	o	SOCKET, (PCB-PCB)20P

MB-139 BOARD

All of the component parts on the MB-139 board are supplied together when you order MB-127A board.

	1-622-714-11	o	PRINTED CIRCUIT BOARD, MB-139
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CN230	1-563-336-21	o	HOUSING, (DIP) 64P
CN241	1-566-508-11	o	PLUG, (PCB-PCB) 20P
CN242	1-566-508-11	o	PLUG, (PCB-PCB) 20P
CN243	1-566-508-11	o	PLUG, (PCB-PCB) 20P

MT-28 BOARD

	1-622-729-11	o	PRINTED CIRCUIT BOARD, MT-28
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CN335	1-560-035-00	s	PIN, BOARD TO BOARD 5P (MT-28 to VR-48)
CN336	1-560-035-00	s	PIN, BOARD TO BOARD 5P (MT-28 to VR-48)

D1	8-719-800-89	s	TLY255
D2	8-719-800-86	s	TLG255
D3	8-719-800-89	s	TLY255
D4	8-719-800-89	s	TLY255
D5	8-719-800-89	s	TLY255

D6	8-719-800-89	s	TLY255
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R1	1-247-706-11	s	CARBON 330 5% 1/4W
R2	1-247-706-11	s	CARBON 330 5% 1/4W
R3	1-247-706-11	s	CARBON 330 5% 1/4W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

PD-45 BOARD

A-6717-495-A o MOUNTED CIRCUIT BOARD, PD-45

C1	1-161-379-00	s	CERAMIC	0.01	30%	16V
C2	1-161-379-00	s	CERAMIC	0.01	30%	16V
C3	1-161-379-00	s	CERAMIC	0.01	30%	16V
C4	1-124-259-00	s	ELECT	4.7	20%	50V
C5	1-124-259-00	s	ELECT	4.7	20%	50V
C6	1-124-259-00	s	ELECT	4.7	20%	50V
C101	1-124-255-00	s	ELECT	1	20%	50V
C102	1-124-255-00	s	ELECT	1	20%	50V
C103	1-124-255-00	s	ELECT	1	20%	50V
C104	1-124-236-00	s	ELECT	47	20%	50V
C107	1-124-255-00	s	ELECT	1	20%	50V
C108	1-124-255-00	s	ELECT	1	20%	50V
C109	1-124-255-00	s	ELECT	1	20%	50V
C110	1-124-236-00	s	ELECT	47	20%	50V

D1	8-719-200-02	s	10E-2
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-200-02	s	10E-2
D5	8-719-200-02	s	10E-2

D6	8-719-200-02	s	10E-2
D7	8-719-200-02	s	10E-2
D8	8-719-200-02	s	10E-2
D9	8-719-200-02	s	10E-2
D10	8-719-200-02	s	10E-2

D11	8-719-200-02	s	10E-2
D12	8-719-200-02	s	10E-2
D13	8-719-200-02	s	10E-2
D14	8-719-200-02	s	10E-2

IC1	8-759-600-24	s	M54543L(MITSUBISHI)
IC101	8-752-006-00	s	CX20060(SONY)
IC102	8-752-006-00	s	CX20060(SONY)
IC103	8-741-126-50	s	BX1265(SONY)
IC104	8-741-126-50	s	BX1265(SONY)

L101	1-410-482-31	s	MICRO 100
L102	1-410-482-31	s	MICRO 100

△PS1	1-532-686-00	s	LINK
PS2	1-532-685-00	s	LINK
PS3	1-532-685-00	s	LINK
PS4	1-532-685-00	s	LINK

Ref No. Parts No. SP Description

Q1	8-729-811-11	s	2SD1111
Q2	8-729-178-55	s	2SC2785-E
Q3	8-729-178-55	s	2SC2785-E
Q4	8-729-199-82	s	2SD998
Q5	8-729-811-11	s	2SD1111

Q6	8-729-178-55	s	2SC2785-E
Q7	8-729-889-40	s	2SD894
Q8	8-729-811-11	s	2SD1111
Q9	8-729-178-55	s	2SC2785-E
Q10	8-729-889-40	s	2SD894

RV101	1-228-991-00	s	VAR, VARBON 2.2k
RV102	1-228-991-00	s	VAR, VARBON 2.2k

T101	1-426-319-11	s	PB RF
T102	1-426-319-11	s	PB RF

PH-5(A) BOARD

1-603-737-00 o PRINTED CIRCUIT BOARD, PH-5(A)

D1	8-719-951-04	s	BR5104S
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PH-5(B) BOARD

1-603-737-00 o PRINTED CIRCUIT BOARD, PH-5(B)

Q1	8-729-810-21	s	SPS102-A
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PH-5(C) BOARD

1-603-737-00 o PRINTED CIRCUIT BOARD, PH-5(C)

D1	8-719-951-04	s	BR5104S
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PTC-26 BOARD

1-622-721-11 o PRINTED CIRCUIT BOARD, PTC-26

Q1	8-729-810-22	s	SPS102-A
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Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

PTC-28 BOARD

1-622-722-11 o PRINTED CIRCUIT BOARD, PTC-28

PC1 1-806-232-11 s MB-1102/S.N

PTC-29 BOARD

1-622-718-11 o PRINTED CIRCUIT BOARD, PTC-29

PC2 1-806-232-21 s MB-1102/S.N

PTC-30 BOARD

1-622-260-11 o PRINTED CIRCUIT BOARD, PTC-30

IC2 8-719-939-50 s GP1L52(SHARP)

IC3 8-719-939-50 s GP1L52(SHARP)

PTC-32 BOARD

1-622-638-11 o PRINTED CIRCUIT BOARD, PTC-32

C1 1-124-234-00 s ELECT 22 20% 10V

IC1 8-719-939-50 s GP1L52(SHARP)

IC2 8-719-939-50 s GP1L52(SHARP)

IC3 8-719-940-86 s GP1L53(SHARP)

IC4 8-719-939-50 s GP1L52(SHARP)

IC5 8-759-133-90 s UPC339C(NEC)

PTC-33 BOARD

1-622-258-11 o PRINTED CIRCUIT BOARD, PTC-33

IC1 8-719-940-86 s GP1L53(SHARP)

IC2 8-719-940-86 s GP1L53(SHARP)

PTC-34 BOARD

1-622-259-11 o PRINTED CIRCUIT BOARD, PTC-34

IC1 8-719-940-86 s GP1L53(SHARP)

Ref No. Parts No. SP Description

RM-44 BOARD

1-622-739-11 o PRINTED CIRCUIT BOARD, RM-44

C1 1-161-379-00 s CERAMIC 0.01 30% 16V

CN1 1-566-658-11 24P "REMOTE 2"

CN2 1-563-890-11 s SOCKET, D-SUB 9P "REMOTE 1"

IC1 8-759-201-34 s TD62503P(TOSHIBA)

RM-45 BOARD

1-622-740-11 o PRINTED CIRCUIT BOARD, RM-45

SE-48 BOARD

A-6729-496-A o MOUNTED CIRCUIT BOARD, SE-48

C2 1-162-294-31 s CERAMIC 0.001 10% 50V

C3 1-162-207-31 s CERAMIC 22PF 5% 50V

C5 1-162-294-31 s CERAMIC 0.001 10% 50V

C6 1-162-207-31 s CERAMIC 22PF 5% 50V

C8 1-162-294-31 s CERAMIC 0.001 10% 50V

C9 1-162-207-31 s CERAMIC 22PF 5% 50V

C11 1-162-294-31 s CERAMIC 0.001 10% 50V

C12 1-162-207-31 s CERAMIC 22PF 5% 50V

C14 1-161-379-00 s CERAMIC 0.01 30% 16V

IC1 8-759-132-40 s UPC324C(NEC)

IC2 8-749-211-00 s DM-211

IC3 8-749-211-00 s DM-211

R4 1-247-895-00 s CARBON 470k 5% 1/6W

R8 1-247-895-00 s CARBON 470k 5% 1/6W

R12 1-247-895-00 s CARBON 470k 5% 1/6W

R16 1-247-895-00 s CARBON 470k 5% 1/6W

RV1 1-228-993-00 s VAR, CARBON 4.7K

RV2 1-228-993-00 s VAR, CARBON 4.7K

RV3 1-228-993-00 s VAR, CARBON 4.7K

RV4 1-228-993-00 s VAR, CARBON 4.7K

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

SV-88C BOARD

A-6715-408-A o MOUNTED CIRCUIT BOARD, SV-88C

C104	1-162-290-31	s	CERAMIC 470PF	10%	50V
C105	1-124-234-00	s	ELECT 22	20%	16V
C106	1-124-234-00	s	ELECT 22	20%	16V
C108	1-124-234-00	s	ELECT 22	20%	16V
C109	1-124-465-00	s	ELECT 0.47	20%	50V
C111	1-162-286-31	s	CERAMIC 220PF	10%	50V
C116	1-162-288-31	s	CERAMIC 330PF	10%	50V
C117	1-162-286-31	s	CERAMIC 220PF	10%	50V
C121	1-162-288-31	s	CERAMIC 330PF	10%	50V
C132	1-162-282-31	s	CERAMIC 100PF	10%	50V
C139	1-162-294-31	s	CERAMIC 0.001	10%	50V
C140	1-162-294-31	s	CERAMIC 0.001	10%	50V
C201	1-124-462-00	s	ELECT 10	20%	16V
C202	1-124-234-00	s	ELECT 22	20%	16V
C210	1-162-290-31	s	CERAMIC 470PF	10%	50V
C213	1-162-282-31	s	CERAMIC 100PF	10%	50V
C215	1-162-290-31	s	CERAMIC 470PF	10%	50V
C219	1-161-494-00	s	CERAMIC 0.022	30%	25V
C401	1-123-611-00	s	ELECT 1	20%	50V
C402	1-123-611-00	s	ELECT 1	20%	50V
C403	1-124-462-00	s	ELECT 10	20%	16V
C404	1-124-462-00	s	ELECT 10	20%	16V
C405	1-161-494-00	s	CERAMIC 0.022	30%	25V
C406	1-162-294-31	s	CERAMIC 0.001	10%	50V
C407	1-162-294-31	s	CERAMIC 0.001	10%	50V
C408	1-162-294-31	s	CERAMIC 0.001	10%	50V
C409	1-162-294-31	s	CERAMIC 0.001	10%	50V
C410	1-161-494-00	s	CERAMIC 0.022	30%	25V
C412	1-124-234-00	s	ELECT 22	20%	16V
C415	1-124-234-00	s	ELECT 22	20%	16V
C418	1-124-462-00	s	ELECT 10	20%	16V
C419	1-124-462-00	s	ELECT 10	20%	16V
C430	1-161-377-00	s	CERAMIC 0.0047	30%	16V
C431	1-161-377-00	s	CERAMIC 0.0047	30%	16V
C432	1-161-377-00	s	CERAMIC 0.0047	30%	16V
C433	1-161-494-00	s	CERAMIC 0.022	30%	25V
C504	1-124-462-00	s	ELECT 10	20%	16V
C507	1-124-462-00	s	ELECT 10	20%	16V
C508	1-130-728-00	s	FILM 0.0022	5%	50V
C510	1-162-282-31	s	CERAMIC 100PF	10%	50V
C515	1-162-282-31	s	CERAMIC 100PF	10%	50V
C519	1-123-611-00	s	ELECT 1	20%	50V
C520	1-124-462-00	s	ELECT 10	20%	16V
C521	1-162-213-31	s	CERAMIC 39PF	5%	50V
C523	1-162-290-31	s	CERAMIC 470PF	10%	50V
C525	1-123-611-00	s	ELECT 1	20%	50V
C526	1-124-462-00	s	ELECT 10	20%	16V
C527	1-162-213-31	s	CERAMIC 39PF	5%	50V
C529	1-162-290-31	s	CERAMIC 470PF	10%	50V
C531	1-123-611-00	s	ELECT 1	20%	50V
C532	1-124-462-00	s	ELECT 10	20%	16V
C533	1-162-213-31	s	CERAMIC 39PF	5%	50V
C535	1-162-290-31	s	CERAMIC 470PF	10%	50V
C539	1-123-611-00	s	ELECT 1	20%	50V
C540	1-123-611-00	s	ELECT 1	20%	50V

Ref No. Parts No. SP Description

C541	1-162-282-31	s	CERAMIC 100PF	10%	50V
C545	1-130-728-00	s	FILM 0.0022	5%	50V
C551	1-161-494-00	s	CERAMIC 0.022	30%	25V
C601	1-162-282-31	s	CERAMIC 100PF	10%	50V
C602	1-162-282-31	s	CERAMIC 100PF	10%	50V
C603	1-162-282-31	s	CERAMIC 100PF	10%	50V
C604	1-162-282-31	s	CERAMIC 100PF	10%	50V
C606	1-162-282-31	s	CERAMIC 100PF	10%	50V
C608	1-162-282-31	s	CERAMIC 100PF	10%	50V
C618	1-124-465-00	s	ELECT 0.47	20%	50V
C621	1-124-465-00	s	ELECT 0.47	20%	50V
C750	1-126-103-11	s	ELECT 470	20%	16V
C751	1-161-494-00	s	CERAMIC 0.022	30%	25V
C752	1-161-494-00	s	CERAMIC 0.022	30%	25V
C753	1-161-494-00	s	CERAMIC 0.022	30%	25V
C754	1-161-494-00	s	CERAMIC 0.022	30%	25V
C755	1-161-494-00	s	CERAMIC 0.022	30%	25V
C756	1-161-494-00	s	CERAMIC 0.022	30%	25V
C757	1-161-494-00	s	CERAMIC 0.022	30%	25V
C758	1-161-494-00	s	CERAMIC 0.022	30%	25V
C759	1-161-494-00	s	CERAMIC 0.022	30%	25V
C760	1-161-494-00	s	CERAMIC 0.022	30%	25V
C761	1-161-494-00	s	CERAMIC 0.022	30%	25V
C762	1-161-494-00	s	CERAMIC 0.022	30%	25V
C763	1-161-494-00	s	CERAMIC 0.022	30%	25V
C764	1-161-494-00	s	CERAMIC 0.022	30%	25V
C765	1-161-494-00	s	CERAMIC 0.022	30%	25V
C766	1-161-494-00	s	CERAMIC 0.022	30%	25V
C767	1-161-494-00	s	CERAMIC 0.022	30%	25V
C801	1-161-494-00	s	CERAMIC 0.022	30%	25V
C802	1-161-494-00	s	CERAMIC 0.022	30%	25V
C803	1-161-494-00	s	CERAMIC 0.022	30%	25V
C804	1-161-494-00	s	CERAMIC 0.022	30%	25V
C805	1-161-494-00	s	CERAMIC 0.022	30%	25V
C806	1-161-494-00	s	CERAMIC 0.022	30%	25V
C807	1-161-494-00	s	CERAMIC 0.022	30%	25V
C808	1-161-494-00	s	CERAMIC 0.022	30%	25V
C809	1-161-494-00	s	CERAMIC 0.022	30%	25V
C810	1-161-494-00	s	CERAMIC 0.022	30%	25V
C811	1-161-494-00	s	CERAMIC 0.022	30%	25V
C812	1-161-494-00	s	CERAMIC 0.022	30%	25V
C813	1-161-494-00	s	CERAMIC 0.022	30%	25V
C814	1-161-494-00	s	CERAMIC 0.022	30%	25V
C815	1-161-494-00	s	CERAMIC 0.022	30%	25V
C816	1-161-494-00	s	CERAMIC 0.022	30%	25V
C817	1-161-494-00	s	CERAMIC 0.022	30%	25V
C818	1-161-494-00	s	CERAMIC 0.022	30%	25V
C819	1-161-494-00	s	CERAMIC 0.022	30%	25V
C820	1-161-494-00	s	CERAMIC 0.022	30%	25V
C821	1-161-494-00	s	CERAMIC 0.022	30%	25V
C822	1-161-494-00	s	CERAMIC 0.022	30%	25V
C823	1-161-494-00	s	CERAMIC 0.022	30%	25V
C824	1-161-494-00	s	CERAMIC 0.022	30%	25V
C825	1-161-494-00	s	CERAMIC 0.022	30%	25V
C826	1-161-494-00	s	CERAMIC 0.022	30%	25V
C827	1-161-494-00	s	CERAMIC 0.022	30%	25V
C828	1-161-494-00	s	CERAMIC 0.022	30%	25V
C829	1-161-494-00	s	CERAMIC 0.022	30%	25V
C830	1-161-494-00	s	CERAMIC 0.022	30%	25V
C831	1-161-494-00	s	CERAMIC 0.022	30%	25V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
C832	1-161-494-00	s	CERAMIC 0.022 30% 25V
C833	1-161-494-00	s	CERAMIC 0.022 30% 25V
C834	1-161-494-00	s	CERAMIC 0.022 30% 25V
C835	1-161-494-00	s	CERAMIC 0.022 30% 25V
C836	1-161-494-00	s	CERAMIC 0.022 30% 25V
C837	1-161-494-00	s	CERAMIC 0.022 30% 25V
C838	1-161-494-00	s	CERAMIC 0.022 30% 25V
C839	1-161-494-00	s	CERAMIC 0.022 30% 25V
C840	1-161-494-00	s	CERAMIC 0.022 30% 25V
C841	1-161-494-00	s	CERAMIC 0.022 30% 25V
C901	1-161-494-00	s	CERAMIC 0.022 30% 25V
C902	1-161-494-00	s	CERAMIC 0.022 30% 25V
C903	1-161-494-00	s	CERAMIC 0.022 30% 25V
C904	1-161-494-00	s	CERAMIC 0.022 30% 25V
C905	1-161-494-00	s	CERAMIC 0.022 30% 25V
C906	1-161-494-00	s	CERAMIC 0.022 30% 25V
C907	1-161-494-00	s	CERAMIC 0.022 30% 25V
C908	1-161-494-00	s	CERAMIC 0.022 30% 25V
C909	1-161-494-00	s	CERAMIC 0.022 30% 25V
C910	1-161-494-00	s	CERAMIC 0.022 30% 25V
C911	1-161-494-00	s	CERAMIC 0.022 30% 25V
C912	1-161-494-00	s	CERAMIC 0.022 30% 25V
C950	1-126-103-11	s	ELECT 470 20% 16V
C951	1-161-494-00	s	CERAMIC 0.022 30% 25V
C952	1-161-494-00	s	CERAMIC 0.022 30% 25V
C953	1-161-494-00	s	CERAMIC 0.022 30% 25V
CN1	1-506-747-21	o	PIN, DIN (DIP) 64P
CN2	1-506-747-21	o	PIN, DIN (DIP) 64P
D101	8-719-911-19	s	1SS119
D102	8-719-911-19	s	1SS119
D103	8-719-911-19	s	1SS119
D104	8-719-911-19	s	1SS119
D106	8-719-911-19	s	1SS119
D107	8-719-911-19	s	1SS119
D109	8-719-911-19	s	1SS119
D110	8-719-911-19	s	1SS119
D201	8-719-911-19	s	1SS119
D202	8-719-911-19	s	1SS119
D203	8-719-911-19	s	1SS119
D204	8-719-911-19	s	1SS119
D205	8-719-911-19	s	1SS119
D206	8-719-911-19	s	1SS119
D207	8-719-911-19	s	1SS119
D208	8-719-911-19	s	1SS119
D209	8-719-911-19	s	1SS119
D210	8-719-911-19	s	1SS119
D211	8-719-911-19	s	1SS119
D212	8-719-911-19	s	1SS119
D213	8-719-911-19	s	1SS119
D214	8-719-911-19	s	1SS119
D401	8-719-911-19	s	1SS119
D402	8-719-911-19	s	1SS119
D403	8-719-911-19	s	1SS119

Ref No.	Parts No.	SP	Description
D404	8-719-911-19	s	1SS119
D405	8-719-911-19	s	1SS119
D406	8-719-911-19	s	1SS119
D407	8-719-911-19	s	1SS119
D408	8-719-911-19	s	1SS119
D409	8-719-911-19	s	1SS119
D410	8-719-911-19	s	1SS119
D411	8-719-911-19	s	1SS119
D412	8-719-911-19	s	1SS119
D413	8-719-911-19	s	1SS119
D414	8-719-911-19	s	1SS119
D501	8-719-911-19	s	1SS119
D502	8-719-911-19	s	1SS119
D507	8-719-911-19	s	1SS119
D508	8-719-911-19	s	1SS119
D509	8-719-911-19	s	1SS119
D512	8-719-911-19	s	1SS119
D513	8-719-911-19	s	1SS119
D514	8-719-911-19	s	1SS119
D515	8-719-911-19	s	1SS119
D516	8-719-911-19	s	1SS119
D517	8-719-911-19	s	1SS119
D518	8-719-911-19	s	1SS119
D519	8-719-911-19	s	1SS119
D601	8-719-911-19	s	1SS119
D603	8-719-911-19	s	1SS119
D604	8-719-911-19	s	1SS119
D704	8-719-911-19	s	1SS119
D705	8-719-911-19	s	1SS119
D706	8-719-911-19	s	1SS119
IC101	8-752-006-00	s	CX20060(SONY)
IC102	8-743-915-10	s	BX3915A(SONY)
IC103	8-759-202-74	s	TC74HC04P(TOSHIBA)
IC104	8-759-345-38	s	HD14538BP(TOSHIBA)
IC105	8-759-208-10	s	TC4053BPHB(TOSHIBA)
IC106	8-759-345-38	s	HD14538BP(TOSHIBA)
IC107	8-759-205-76	s	TC504013BP(TOSHIBA)
IC108	8-759-729-03	s	NJM2903D(JRC)
IC109	8-759-140-17	s	UPD4017BC(TOSHIBA)
IC110	8-759-345-38	s	HD14538BP(TOSHIBA)
IC111	8-759-729-03	s	NJM2903D(JRC)
IC112	8-759-140-17	s	UPD4017BC(TOSHIBA)
IC113	8-759-345-38	s	HD14538BP(TOSHIBA)
IC114	8-759-241-61	s	TC40161BP(TOSHIBA)
IC115	8-759-240-71	s	TC4071BP(TOSHIBA)
IC116	8-759-345-38	s	HD14538BP(TOSHIBA)
IC117	8-759-202-14	s	TC74HC08P(TOSHIBA)
IC118	8-759-205-76	s	TC504013BP(TOSHIBA)
IC119	8-759-345-38	s	HD14538BP(TOSHIBA)
IC120	8-759-938-68	s	CKD1095Q(SONY)

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Ref No.	Parts No.	SP	Description
IC125	8-759-345-38	s	HD14538BP(TOSHIBA)
IC201	8-759-208-10	s	TC4053BPHB(TOSHIBA)
IC202	8-743-914-00	s	BX3914(SONY)
IC203	8-759-705-58	s	NJM4558D-D(JRC)
IC204	8-759-202-17	s	TC74HC14P(TOSHIBA)
IC205	8-759-208-10	s	TC4053BPHB(TOSHIBA)
IC206	8-759-345-38	s	HD14538BP(TOSHIBA)
IC207	8-759-240-01	s	TC4001BP(TOSHIBA)
IC208	8-759-240-23	s	TC4023BP(TOSHIBA)
IC209	8-759-208-10	s	TC4053BPHB(TOSHIBA)
IC210	8-759-202-74	s	TC74HC04P(TOSHIBA)
IC211	8-759-245-10	s	TC4510BP(TOSHIBA)
IC212	8-759-240-01	s	TC4001BP(TOSHIBA)
IC213	8-759-240-82	s	TC4082BP(TOSHIBA)
IC214	8-759-245-10	s	TC4510BP(TOSHIBA)
IC215	8-759-240-82	s	TC4082BP(TOSHIBA)
IC216	8-759-938-68	s	CXD1095Q(SONY)
IC217	8-759-202-14	s	TC74HC08P(TOSHIBA)
IC218	8-759-202-74	s	TC74HC04P(TOSHIBA)
IC219	8-759-970-31	s	MB88202H-567M
IC301	8-759-107-52	s	CXQ71054P(SONY)
IC302	8-759-107-52	s	CXQ71054P(SONY)
IC304	8-759-107-52	s	CXQ71054P(SONY)
IC306	8-759-240-24	s	TC4024BP(TOSHIBA)
IC307	8-759-202-74	s	TC74HC04P(TOSHIBA)
IC308	8-759-938-83	s	CF77074NT(TI)
IC309	8-759-938-83	s	CF77074NT(TI)
IC310	8-759-938-83	s	CF77074NT(TI)
IC311	8-759-240-30	s	TC4030BP(TOSHIBA)
IC401	8-759-132-40	s	UPC324C(NEC)
IC402	8-759-240-52	s	TC4052BP(TOSHIBA)
IC403	8-759-240-52	s	TC4052BP(TOSHIBA)
IC404	8-759-901-29	s	MSM5128-15RS(SONY)
IC405	8-759-746-82	s	27128-25(INTEL)
IC406	8-759-203-35	s	TC74HC373P(TOSHIBA)
IC407	8-759-113-03	s	UPD78310CW(NEC)
IC408	8-759-202-26	s	TC74HC138P(TOSHIBA)
IC409	8-759-202-26	s	TC74HC138P(TOSHIBA)
IC410	8-759-202-89	s	TC74HC139P(TOSHIBA)
IC411	8-759-103-95	s	UPC648C(NEC)
IC412	8-759-990-82	s	TL082CP(TI)
IC413	8-759-203-12	s	TC74HC241P(TOSHIBA)
IC414	8-759-208-14	s	TC4066BPHB(TOSHIBA)
IC415	8-759-208-14	s	TC4066BPHB(TOSHIBA)
IC416	8-759-990-84	s	TL084CN(TI)
IC417	8-759-990-84	s	TL084CN(TI)
IC418	8-759-708-09	s	NJM78L09A(JRC)
IC420	8-759-202-13	s	TC74HC04P(TOSHIBA)
IC422	8-759-203-68	s	TC74HC4040P(TOSHIBA)
IC423	8-759-345-38	s	HD14538BP(TOSHIBA)
IC501	8-759-729-03	s	NJM2903D(JRC)
IC502	8-759-990-82	s	TL082CP(TI)
IC503	8-759-145-58	s	UPC4558C(NEC)
IC504	8-759-132-40	s	UPC324C(NEC)
IC505	8-759-208-10	s	TC4053BPHB(TOSHIBA)
IC506	8-759-729-03	s	NJM2903D(JRC)
IC507	8-759-910-43	s	CX23028(SONY)

Ref No.	Parts No.	SP	Description
IC509	8-759-345-38	s	HD14538BP(TOSHIBA)
IC510	8-759-729-03	s	NJM2903D(JRC)
IC511	8-759-729-03	s	NJM2903D(JRC)
IC512	8-759-345-38	s	HD14538BP(TOSHIBA)
IC513	8-759-902-21	s	SN74LS221N(TI)
IC514	8-759-990-82	s	TL082CP(TI)
IC515	8-759-990-82	s	TL082CP(TI)
IC516	8-759-938-68	s	CXD1095Q(SONY)
IC601	8-759-990-84	s	TL084CN(TI)
IC602	8-759-132-40	s	UPC324C(NEC)
IC603	8-759-145-58	s	UPC4558C(NEC)
IC604	8-759-990-84	s	TL084CN(TI)
IC605	8-759-132-40	s	UPC324C(NEC)
IC606	8-759-240-52	s	TC4052BP(TOSHIBA)
IC607	8-759-208-10	s	TC4053BPHB(TOSHIBA)
IC608	8-759-729-03	s	NJM2903D(JRC)
IC609	8-759-729-03	s	NJM2903D(JRC)
IC610	8-759-910-43	s	CX23028(SONY)
L201	1-459-155-00	s	(WITH CORE) 45
L701	1-459-155-00	s	(WITH CORE) 45
L702	1-459-155-00	s	(WITH CORE) 45
L703	1-459-155-00	s	(WITH CORE) 45
L704	1-459-155-00	s	(WITH CORE) 45
Q101	8-729-201-05	s	2SC2878-B
Q102	8-729-201-05	s	2SC2878-B
Q103	8-729-900-36	s	DTC124ES
Q104	8-729-900-36	s	DTC124ES
Q105	8-729-201-05	s	2SC2878-B
Q106	8-729-900-36	s	DTC124ES
Q201	8-729-900-36	s	DTC124ES
Q202	8-729-900-63	s	DTA124ES
Q203	8-729-178-54	s	2SC2785
Q204	8-729-900-36	s	DTC124ES
Q205	8-729-900-36	s	DTC124ES
Q206	8-729-900-36	s	DTC124ES
Q207	8-729-178-54	s	2SC2785
Q301	8-729-900-36	s	DTC124ES
Q401	8-729-178-54	s	2SC2785
Q402	8-729-178-54	s	2SC2785
Q403	8-729-178-54	s	2SC2785
Q404	8-729-178-54	s	2SC2785
Q405	8-729-117-54	s	2SA1175
Q406	8-729-178-54	s	2SC2785
Q407	8-729-900-63	s	DTA124ES
Q408	8-729-900-36	s	DTC124ES
Q409	8-729-900-36	s	DTC124ES
Q410	8-729-900-36	s	DTC124ES
Q411	8-729-178-54	s	2SC2785

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Ref No.	Parts No.	SP	Description
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Q412	8-729-900-63	s	DTA124ES
Q501	8-729-900-36	s	DTC124ES
Q502	8-729-201-05	s	2SC2878-B
Q503	8-729-201-05	s	2SC2878-B
Q504	8-729-201-05	s	2SC2878-B
Q505	8-729-201-05	s	2SC2878-B
Q506	8-729-900-36	s	DTC124ES
Q507	8-729-900-36	s	DTC124ES
Q508	8-729-201-05	s	2SC2878-B
Q509	8-729-201-05	s	2SC2878-B
Q510	8-729-900-36	s	DTC124ES
Q511	8-729-900-36	s	DTC124ES
Q602	8-729-900-36	s	DTC124ES
Q603	8-729-900-63	s	DTA124ES
Q604	8-729-201-05	s	2SC2878-B
Q605	8-729-900-63	s	DTA124ES
Q606	8-729-201-05	s	2SC2878-B
Q607	8-729-201-05	s	2SC2878-B
Q608	8-729-201-05	s	2SC2878-B
Q609	8-729-201-05	s	2SC2878-B
Q610	8-729-178-54	s	2SC2785
Q611	8-729-178-54	s	2SC2785
Q612	8-729-178-54	s	2SC2785
Q613	8-729-900-36	s	DTC124ES
R110	1-247-899-11	s	CARBON 680k 5% 1/4W
R114	1-247-899-11	s	CARBON 680k 5% 1/4W
R163	1-247-899-11	s	CARBON 680k 5% 1/4W
R240	1-247-903-00	s	CARBON 1M 5% 1/4W
R244	1-247-887-00	s	CARBON 220k 5% 1/4W
R256	1-247-903-00	s	CARBON 1M 5% 1/4W
R435	1-247-903-00	s	CARBON 1M 5% 1/4W
R441	1-247-885-00	s	CARBON 330k 5% 1/4W
R446	1-247-903-00	s	CARBON 1M 5% 1/4W
R450	1-247-887-00	s	CARBON 220k 5% 1/4W
R451	1-247-887-00	s	CARBON 220k 5% 1/4W
R452	1-247-883-00	s	CARBON 150k 5% 1/6W
R510	1-247-903-00	s	CARBON 1M 5% 1/4W
R521	1-247-903-00	s	CARBON 1M 5% 1/4W
R529	1-247-903-00	s	CARBON 1M 5% 1/4W
R530	1-247-895-00	s	CARBON 470k 5% 1/6W
R531	1-247-889-00	s	CARBON 270k 5% 1/4W
R535	1-247-887-00	s	CARBON 220k 5% 1/6W
R541	1-247-891-00	s	CARBON 330k 5% 1/6W
R551	1-247-895-00	s	CARBON 470k 5% 1/6W
R557	1-247-889-00	s	CARBON 270k 5% 1/4W
R566	1-247-887-00	s	CARBON 220k 5% 1/6W
R574	1-247-887-00	s	CARBON 220k 5% 1/6W
R582	1-247-887-00	s	CARBON 220k 5% 1/6W
R584	1-247-881-00	s	CARBON 120k 5% 1/6W
R589	1-247-887-00	s	CARBON 220k 5% 1/6W
R598	1-247-893-11	s	CARBON 390k 5% 1/4W
R601	1-247-747-11	s	CARBON 470 5% 1/2W
R602	1-247-747-11	s	CARBON 470 5% 1/2W
R610	1-247-881-00	s	CARBON 120k 5% 1/6W

Ref No.	Parts No.	SP	Description
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R620	1-247-887-00	s	CARBON 220k 5% 1/4W
R621	1-247-895-00	s	CARBON 470k 5% 1/4W
R630	1-247-903-00	s	CARBON 1M 5% 1/4W
R640	1-247-887-00	s	CARBON 220k 5% 1/6W
R650	1-247-885-00	s	CARBON 330k 5% 1/4W
R651	1-247-893-11	s	CARBON 390k 5% 1/4W
R660	1-247-903-00	s	CARBON 1M 5% 1/4W
R688	1-247-887-00	s	CARBON 220k 5% 1/6W
R740	1-532-675-00	s	LINK, IC
R741	1-532-675-00	s	LINK, IC
R742	1-532-675-00	s	LINK, IC
R743	1-532-675-00	s	LINK, IC
R800	1-247-895-00	s	CARBON 470k 5% 1/6W
R809	1-247-895-00	s	CARBON 470k 5% 1/6W
R810	1-247-895-00	s	CARBON 470k 5% 1/6W
R859	1-247-895-00	s	CARBON 470k 5% 1/4W
R860	1-247-901-11	s	CARBON 820k 5% 1/4W
R862	1-247-903-00	s	CARBON 1M 5% 1/4W
R863	1-247-903-00	s	CARBON 1M 5% 1/4W
RB201	1-231-411-00	s	RESISTOR BLOCK 100K
RV101	1-228-996-00	s	VAR, CARBON 47K
RV102	1-228-996-00	s	VAR, CARBON 47K
RV103	1-230-499-11	s	VAR, CARBON 100K
RV104	1-230-499-11	s	VAR, CARBON 100K
RV401	1-230-720-11	s	VAR, CARBON 4.7k
RV402	1-228-990-00	s	VAR, METAL GLAZE 1k
RV403	1-228-997-00	s	VAR, CARBON 100K
RV404	1-228-997-00	s	VAR, CARBON 100K
RV405	1-228-994-00	s	VAR, METAL GLAZE 10k
RV501	1-228-995-00	s	VAR, METAL GLAZE 22k
RV502	1-228-994-00	s	VAR, METAL GLAZE 10k
RV503	1-228-994-00	s	VAR, METAL GLAZE 10k
RV504	1-228-999-00	s	VAR, CARBON 470K
RV505	1-228-996-00	s	VAR, CARBON 47K
RV506	1-228-995-00	s	VAR, CARBON 22k
RV507	1-228-994-00	s	VAR, METAL GLAZE 10k
RV601	1-228-994-00	s	VAR, METAL GLAZE 10k
RV602	1-228-994-00	s	VAR, METAL GLAZE 10k
RV603	1-228-994-00	s	VAR, METAL GLAZE 10k
S201	1-570-623-11	s	DIP
S202	1-552-509-00	s	DIP
X401	1-567-865-11	s	VIBRATOR, CRYSTAL 12MHz

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

SW-170B BOARD

1-622-737-12 o PRINTED CIRCUIT BOARD, SW-170B

D1 8-719-800-86 s TLG255
 D2 8-719-800-86 s TLG255
 D3 8-719-800-86 s TLG255
 D4 8-719-800-89 s TLY255
 D5 8-719-800-89 s TLY255

D6 8-719-800-89 s TLY255

Q1 8-729-178-55 s 2SC2785-E
 Q2 8-729-178-55 s 2SC2785-E
 Q3 8-729-178-55 s 2SC2785-E

RV1 1-237-713-11 s VAR, VAR, CARBON 100k

S3 1-516-963-00 s LEVER SLIDE "AUDIO MONITOR"
 S5 1-516-961-00 s LEVER SLIDE "REMOTE/LOCAL"

SW-290 BOARD

1-626-680-11 o PRINTED CIRCUIT BOARD, SW-290

D1 8-719-812-43 s TLG124A

S1 1-554-481-00 s SLIDE "CHARACTER"
 S3 1-554-481-00 s SLIDE "REMOTE"
 S4 1-554-481-00 s SLIDE "INT TBC"
 S5 1-554-481-00 s SLIDE "TIME CODE"

Ref No. Parts No. SP Description

SY-102B BOARD

A-6729-726-A o MOUNTED CIRCUIT BOARD, SY-102B

C1 1-124-236-00 s ELECT 47 20% 16V
 C2 1-124-236-00 s ELECT 47 20% 16V
 C5 1-124-236-00 s ELECT 47 20% 16V
 C6 1-161-379-00 s CERAMIC 0.01 30% 16V
 C8 1-124-255-00 s ELECT 1 20% 50V

C10 1-124-236-00 s ELECT 47 20% 16V
 C11 1-124-245-00 s ELECT 4.7 20% 16V
 C12 1-107-169-00 s MICA 100PF 5% 500V
 C13 1-107-169-00 s MICA 100PF 5% 500V
 C14 1-161-379-00 s CERAMIC 0.01 30% 16V

C15 1-161-379-00 s CERAMIC 0.01 30% 16V
 C16 1-161-379-00 s CERAMIC 0.01 30% 16V
 C17 1-162-210-31 s CERAMIC 30PF 5% 50V
 C18 1-162-210-31 s CERAMIC 30PF 5% 50V
 C19 1-124-236-00 s ELECT 47 20% 16V

C20 1-161-379-00 s CERAMIC 0.01 30% 16V
 C21 1-161-379-00 s CERAMIC 0.01 30% 16V
 C22 1-124-236-00 s ELECT 47 20% 16V
 C23 1-161-379-00 s CERAMIC 0.01 30% 16V
 C27 1-124-255-00 s ELECT 1 20% 50V

C28 1-124-247-00 s ELECT 10 20% 25V
 C29 1-124-236-00 s ELECT 47 20% 16V
 C30 1-124-255-00 s ELECT 1 20% 50V
 C31 1-102-973-91 s CERAMIC 100PF 5% 50V
 C35 1-162-215-31 s CERAMIC 47PF 5% 50V

C36 1-161-379-00 s CERAMIC 0.01 30% 16V
 C37 1-161-379-00 s CERAMIC 0.01 30% 16V
 C38 1-161-379-00 s CERAMIC 0.01 30% 16V
 C39 1-161-379-00 s CERAMIC 0.01 30% 16V
 C40 1-161-379-00 s CERAMIC 0.01 30% 16V

C41 1-161-379-00 s CERAMIC 0.01 30% 16V
 C42 1-161-379-00 s CERAMIC 0.01 30% 16V
 C43 1-161-379-00 s CERAMIC 0.01 30% 16V
 C44 1-161-379-00 s CERAMIC 0.01 30% 16V
 C48 1-162-207-31 s CERAMIC 22PF 5% 50V

C49 1-162-207-31 s CERAMIC 22PF 5% 50V
 C51 1-124-245-00 s ELECT 4.7 20% 16V

CN558 1-506-701-11 o HEADER 10P

D2 8-719-911-19 s 1SS119
 D3 8-719-911-19 s 1SS119
 D4 8-719-911-19 s 1SS119
 D5 8-719-911-19 s 1SS119
 D6 8-719-911-19 s 1SS119

D7 8-719-911-19 s 1SS119
 D8 8-719-911-19 s 1SS119
 D9 8-719-911-19 s 1SS119
 D10 8-719-911-19 s 1SS119
 D11 8-719-911-19 s 1SS119

D12 8-719-911-19 s 1SS119
 D15 8-719-911-19 s 1SS119
 D16 8-719-911-19 s 1SS119
 D17 8-719-911-19 s 1SS119
 D18 8-719-911-19 s 1SS119

Parts that are not listed in the "reference number order list"
 are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
IC1	8-759-208-85	s	IMPZ84C011AF(TOSHIBA)
IC3	8-752-321-08	s	CXK5864PN-15L(SONY)
IC4	8-759-942-12	s	MBM2212-25P(FUJITSU)
IC5	8-759-916-84	s	LH0084A(SHARP)
IC6	8-759-938-68	s	CXD1095Q(SONY)
IC7	8-759-944-65	s	MB88551H-263M(FUJITSU)
IC8	8-759-045-38	s	MC14538BCP(MOTOROLA)
IC9	8-759-202-74	s	TC74HC04P(TOSHIBA)
IC10	8-759-240-69	s	TC4069UBP(TOSHIBA)
IC11	8-759-044-64	s	MC74HC126N(TI)
IC12	8-759-008-57	s	MC34051P(MOTOROLA)
IC13	8-759-202-21	s	TC74HC32P(TI)
IC14	8-759-202-89	s	TC74HC139P(TI)
IC15	8-759-145-58	s	UPC4558C(NEC)
IC16	8-759-729-03	s	NJM2903D(JRC)
IC17	8-759-202-21	s	TC74HC32P(TI)
IC18	8-759-202-17	s	TC74HC14P(TOSHIBA)
Q2	8-729-900-65	s	DTA144ES
Q3	8-729-900-89	s	DTC144ES
Q4	8-729-900-89	s	DTC144ES
Q5	8-729-275-42	s	2SC2754-Y
Q6	8-729-275-42	s	2SC2754-Y
Q7	8-729-178-55	s	2SC2785-E
Q8	8-729-178-55	s	2SC2785-E
Q9	8-729-900-89	s	DTC144ES
Q11	8-729-811-11	s	2SD1111
R8	1-247-881-00	s	CARBON 120k 5% 1/6W
R11	1-247-903-00	s	CARBON 1M 5% 1/4W
R13	1-247-903-00	s	CARBON 1M 5% 1/4W
R44	1-247-887-00	s	CARBON 220k 5% 1/6W
R47	1-247-887-00	s	CARBON 220k 5% 1/6W
RB2	1-235-005-00	s	RESISTOR BLOCK 47K
RB3	1-231-410-00	s	RESISTOR BLOCK 10K
RB6	1-235-109-00	s	RESISTOR BLOCK 22K
RB7	1-235-109-00	s	RESISTOR BLOCK 22K
RB9	1-231-407-00	s	RESISTOR BLOCK 2.2K
RB10	1-231-410-00	s	RESISTOR BLOCK 10K
RB11	1-231-410-00	s	RESISTOR BLOCK 10K
RV1	1-230-497-11	s	VAR, CARBON 22k
X1	1-567-870-11	s	VIBRATOR, CERAMIC 9.83MHz
X2	1-567-132-00	s	VIBLATOR, CERAMIC 8MHz

Ref No. Parts No. SP Description

TC-51 BOARD

A-6717-497-1 o MOUNTED CIRCUIT BOARD, TC-51

C4	1-124-234-00	s	ELECT 22 20% 16V
C5	1-124-234-00	s	ELECT 22 20% 16V
C8	1-124-499-11	s	ELECT 1 20% 50V
C9	1-162-203-31	s	CERAMIC 15PF 5% 50V
C35	1-124-462-00	s	ELECT 10 20% 16V
C70	1-162-290-31	s	CERAMIC 470PF 10% 50V
C71	1-162-290-31	s	CERAMIC 470PF 10% 50V
C73	1-162-290-31	s	CERAMIC 470PF 10% 50V
C78	1-162-290-31	s	CERAMIC 470PF 10% 50V
C79	1-162-290-31	s	CERAMIC 470PF 10% 50V
C81	1-162-282-31	s	CERAMIC 100PF 10% 50V
C145	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C146	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C147	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C148	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C149	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C150	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C151	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C152	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C153	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C154	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C155	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C156	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C157	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C158	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C159	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C160	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C161	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C162	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C163	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C164	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
C165	1-161-379-00	s	CAP CERAMIC 10000PF 30% 16V
CV1	1-141-260-00	s	CERAMIC TRIMMAR
D1	8-719-911-19	s	ISS119
D2	8-719-911-19	s	ISS119
D3	8-719-911-19	s	ISS119
D7	8-719-911-19	s	ISS119
IC1	8-759-909-72	s	CX7912A(SONY)
IC5	8-759-908-23	s	MB8803(FUJITSU)
IC8	8-759-902-34	s	SN74LS224N(TI)
IC9	8-759-045-38	s	MC14538BCP(MOTOROLA)
IC10	8-759-916-29	s	SN74HC74N(TI)
IC11	8-759-990-62	s	TL062CP(TI)
IC12	8-759-202-26	s	TC74HC138P(TOSHIBA)
IC14	8-759-916-29	s	SN74HC74N(TI)
IC15	8-759-203-36	s	TC74HC374P(TOSHIBA)
IC16	8-759-202-55	s	TC74HC244P(TOSHIBA)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

IC17 8-759-045-38 s MC14538BCP(MOTOROLA)
 IC21 8-759-045-38 s MC14538BCP(MOTOROLA)
 IC26 8-759-045-38 s MC14538BCP(MOTOROLA)
 IC27 8-759-200-05 s TC40H008P(TOSHIBA)
 IC28 8-759-240-30 s TC4030BP(TOSHIBA)

IC29 8-759-916-29 s SN74HC74N(TI)
 IC30 8-759-220-32 s TC40H032P(TOSHIBA)
 IC31 8-759-220-02 s TC40H002P(TOSHIBA)
 IC32 8-759-200-00 s TC40H000P(TOSHIBA)
 IC33 8-759-145-84 s MPD4584BC(NEC)

IC35 8-759-240-44 s TC4044BP(TOSHIBA)
 IC36 8-759-245-12 s TC4512BP(TOSHIBA)

R40 1-247-897-11 s CARBON 560k 5% 1/4W
 R42 1-247-903-00 s CARBON 1M 5% 1/4W
 R125 1-247-903-00 s CARBON 1M 5% 1/4W

X1 1-527-827-00 s CRYSTAL 4.9152MHz

VR-49 BOARD

1-622-731-11 o PRINTED CIRCUIT BOARD, VR-49

R11 1-249-406-11 s CARBON 120 5% 1/6W
 R12 1-249-406-11 s CARBON 120 5% 1/6W

RV11 1-228-218-00 s VAR, CARBON 500/500

VR-76 BOARD

1-626-682-11 o PRINTED CIRCUIT BOARD, VR-76

D201 8-719-911-19 s 1SS119
 D202 8-719-911-19 s 1SS119

IC1 8-759-705-62 s NJM4562D-(JRC)
 IC2 8-749-938-90 s BX389(SONY)

L1 1-410-482-31 s MICRO 100

Q1 8-729-603-50 s 2SC403SP

R202 1-247-840-00 s CARBON 2.4k 5% 1/4W

RV1 1-230-339-11 s VAR, CARBON 100k
 RV2 1-238-217-11 s VAR, CARBON 5k
 RV3 1-238-217-11 s VAR, CARBON 5k
 RV4 1-228-994-00 s VAR, CARBON 10k

Ref No. Parts No. SP Description

SWITCHING REGULATOR UR-21

1-413-307-13 s SWITCHING REGULATOR UR-21

1-562-285-11 o HOUSING 4P

M201 1-541-524-11 o DC FAN

UR-21 C1 BOARD

C51 1-161-925-91 s CERAMIC 100PF 10% 500V
 C52 1-161-925-91 s CERAMIC 100PF 10% 500V
 C53 1-131-458-51 s TANTAL 1.5 20% 16V
 C55 1-130-018-51 s FILM 0.001 5% 50V
 C56 1-130-528-51 s TEREPHTHALATE 0.1 10% 50V

C57 1-130-506-91 s TEREPHTHALATE 0.0015 10% 50V
 C59 1-130-528-51 s TEREPHTHALATE 0.1 10% 50V
 C61 1-124-924-91 s ELECT 1 20% 100V

CN52 1-564-352-11 o PIN, 7P
 CN53 1-564-352-11 o PIN, 7P

D51 1-807-913-21 s 11EQS04
 D52 1-807-913-21 s 11EQS04
 D53 1-807-913-21 s 11EQS04
 D54 1-807-913-21 s 11EQS04
 D55 8-719-911-19 s 1SS119

D56 8-719-911-19 s 1SS119
 D57 8-719-109-93 s RD6.2ES-B3
 D58 8-719-107-87 s THYRISTOR 03P2M
 D59 8-719-911-19 s 1SS119
 D60 8-719-911-19 s 1SS119

D61 8-719-911-19 s 1SS119
 D62 8-719-911-19 s 1SS119
 D63 8-719-109-75 s RD4.3ES-B2

IC51 8-759-937-59 s MB3759(FUJITSU)
 IC52 8-759-103-93 s UPC393C(NEC)

L51 1-410-466-21 s MICRO 4.7

Q51 8-729-208-04 s 2SK422
 Q52 8-729-208-04 s 2SK422
 Q53 8-729-117-54 s 2SA1175
 Q54 8-729-178-54 s 2SC2785
 Q55 8-729-117-54 s 2SA1175

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
R51	1-247-817-91	s	CARBON 270 5% 1/4W
R52	1-247-829-91	s	CARBON 820 5% 1/4W
R53	1-247-825-91	s	CARBON 560 5% 1/4W
R54	1-247-825-91	s	CARBON 560 5% 1/4W
R55	1-215-445-91	s	METAL 10K 1% 1/6W
R56	1-247-903-91	s	CARBON 1M 5% 1/4W
R57	1-247-823-91	s	CARBON 470 5% 1/4W
R58	1-247-875-91	s	CARBON 68K 5% 1/4W
R60	1-247-835-91	s	CARBON 1.5K 5% 1/4W
R61	1-247-849-91	s	CARBON 5.6K 5% 1/4W
R62	1-247-831-91	s	CARBON 1K 5% 1/4W
R63	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R64	1-247-847-91	s	CARBON 4.7K 5% 1/4W
R65	1-247-847-91	s	CARBON 4.7K 5% 1/4W
R66	1-247-869-91	s	CARBON 39K 5% 1/4W
R67	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R68	1-247-853-91	s	CARBON 8.2K 5% 1/4W
R69	1-247-831-91	s	CARBON 1K 5% 1/4W
R70	1-247-849-91	s	CARBON 5.6K 5% 1/4W
R71	1-247-831-91	s	CARBON 1K 5% 1/4W
R72	1-247-843-91	s	CARBON 3.3K 5% 1/4W
R73	1-247-841-91	s	CARBON 2.7K 5% 1/4W
R74	1-247-843-91	s	CARBON 3.3K 5% 1/4W
R75	1-247-843-91	s	CARBON 3.3K 5% 1/4W
R76	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R77	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R78	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R79	1-247-849-91	s	CARBON 5.6K 5% 1/4W
R80	1-247-855-91	s	CARBON 10K 5% 1/4W
R81	1-247-847-91	s	CARBON 4.7K 5% 1/4W
R82	1-247-865-91	s	CARBON 27K 5% 1/4W
R83	1-247-857-91	s	CARBON 12K 5% 1/4W
R84	1-247-821-91	s	CARBON 390 5% 1/4W
R85	1-247-831-91	s	CARBON 1K 5% 1/4W
RV51	1-228-990-11	s	VAR, METAL GLAZE 1K

Ref No. Parts No. SP Description

UR-21 C2 BOARD

C51	1-161-925-91	s	CERAMIC 100PF 10% 500V
C52	1-161-925-91	s	CERAMIC 100PF 10% 500V
C53	1-131-458-51	s	TANTAL 1.5 20% 16V
C55	1-130-018-51	s	FILM 0.001 5% 50V
C56	1-130-528-51	s	TEREPHTHALATE 0.1 10% 50V
C57	1-130-506-91	s	TEREPHTHALATE 0.0015 10% 50V
C59	1-130-528-51	s	TEREPHTHALATE 0.1 10% 50V

CN52	1-564-352-11	o	PIN, 7P
CN53	1-564-352-11	o	PIN, 7P

D51	1-807-913-21	s	11EQS04
D52	1-807-913-21	s	11EQS04
D53	1-807-913-21	s	11EQS04
D54	1-807-913-21	s	11EQS04
D55	1-719-911-19	s	1SS119
D56	1-719-911-19	s	1SS119
D57	8-719-112-98	s	RD15ES-T1B2
D58	8-719-108-87	s	03P2M
D59	8-719-911-19	s	1SS119
D60	8-719-911-19	s	1SS119
D61	8-719-911-19	s	1SS119
D62	8-719-911-19	s	1SS119
D63	8-719-112-73	s	RD11ES-T1B2

IC51	8-759-937-59	s	MB3759(FUJITSU)
IC52	8-759-103-93	s	UPC393C(NEC)

L51	1-410-466-21	s	MICRO 4.7
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Q51	8-729-208-04	s	2SK422
Q52	8-729-208-04	s	2SK422
Q53	8-729-117-54	s	2SA1175
Q54	8-729-178-54	s	2SC2785
Q55	8-729-117-54	s	2SA1175

R51	1-247-813-91	s	CARBON 180 5% 1/4W
R52	1-247-829-91	s	CARBON 820 5% 1/4W
R53	1-247-825-91	s	CARBON 560 5% 1/4W
R54	1-247-825-91	s	CARBON 560 5% 1/4W
R55	1-215-445-91	s	METAL 10K 1% 1/6W

R56	1-247-903-91	s	CARBON 1M 5% 1/4W
R57	1-247-823-91	s	CARBON 470 5% 1/4W
R58	1-247-877-91	s	CARBON 82K 5% 1/4W
R60	1-247-813-91	s	CARBON 7.5K 5% 1/4W
R61	1-247-849-91	s	CARBON 27K 5% 1/4W

R62	1-247-835-91	s	CARBON 1.5K 5% 1/4W
R63	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R64	1-247-865-91	s	CARBON 4.7K 5% 1/4W
R65	1-247-847-91	s	CARBON 4.7K 5% 1/4W
R66	1-247-869-91	s	CARBON 39K 5% 1/4W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
R68	1-247-853-91	s	CARBON 8.2K 5% 1/4W
R69	1-247-831-91	s	CARBON 1K 5% 1/4W
R70	1-247-849-91	s	CARBON 5.6K 5% 1/4W
R71	1-247-831-91	s	CARBON 1K 5% 1/4W
R72	1-247-843-91	s	CARBON 3.3K 5% 1/4W
R73	1-247-841-91	s	CARBON 2.7K 5% 1/4W
R74	1-247-855-91	s	CARBON 10K 5% 1/4W
R75	1-247-855-91	s	CARBON 10K 5% 1/4W
R76	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R77	1-247-855-91	s	CARBON 10K 5% 1/4W
R78	1-247-847-91	s	CARBON 4.7K 5% 1/4W
R79	1-247-863-91	s	CARBON 22K 5% 1/4W
R80	1-247-855-91	s	CARBON 10K 5% 1/5W
R81	1-247-849-91	s	CARBON 5.6K 5% 1/4W
R83	1-247-843-91	s	CARBON 3.3K 5% 1/4W
R84	1-247-847-91	s	CARBON 4.7K 5% 1/4W
R85	1-247-831-91	s	CARBON 1K 5% 1/4W
RV51	1-228-990-11	s	VAR, METAL GLAZE 1K

Ref No. Parts No. SP Description

UR-21 M1 BOARD

C101	1-136-564-11	s	CERAMIC	1000PF	10%	500V
C102	1-136-564-11	s	CERAMIC	1000PF	10%	500V
C104	1-125-477-11	s	ELECT	470	20%	400V
C105	1-125-477-11	s	ELECT	470	20%	400V
C106	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C107	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C203	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C204	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C205	1-124-636-51	s	ELECT	3300	20%	25V
C206	1-130-516-91	s	TEREPHTHALATE	0.01	10%	50V
C209	1-124-891-51	s	ELECT	10000	20%	6.3V
C211	1-130-772-21	s	METAL	0.22	10%	63V
C212	1-124-621-51	s	ELECT	3300	20%	6.3V
C213	1-130-772-21	s	METAL	0.22	10%	63V
C214	1-124-585-51	s	ELECT	3300	20%	10V
C221	1-130-518-91	s	TEREPHTHALATE	0.015	10%	50V
C222	1-130-524-51	s	TEREPHTHALATE	0.047	10%	50V
C223	1-130-524-51	s	TEREPHTHALATE	0.047	10%	50V
C227	1-124-120-51	s	ELECT	220	20%	25V
C228	1-130-772-21	s	METAL	0.22	10%	63V
C229	1-130-772-21	s	METAL	0.22	10%	63V
C230	1-130-772-21	s	METAL	0.22	10%	63V

△CN101	1-564-242-11	o	5P
CN201	1-564-932-11	o	9P
CN202	1-560-893-11	o	5P
CN203	1-560-299-11	o	2P
CN204	1-560-890-21	o	2P

D101	8-719-109-75	s	RD4.3ES-B2
D102	8-719-912-20	s	1SS120
D103	1-807-913-21	s	11EQS04
D104	1-807-913-21	s	11EQS04
D201	1-807-774-21	s	AU02A
D202	8-719-109-85	s	RD5.1ES-B2
D203	8-719-109-85	s	RD5.1ES-B2
D204	8-719-911-19	s	1SS119
D205	8-719-200-01	s	10E-1
D206	8-719-200-01	s	10E-1
D207	1-807-911-11	s	F10P40F
D208	8-719-200-01	s	10E-1
D209	8-719-200-01	s	10E-1
D210	8-719-302-60	s	FML-32S
D211	1-807-963-21	s	31DF2
D212	1-807-963-21	s	31DF2
D213	8-719-110-13	s	RD9.1ES-B2
D214	1-807-911-21	s	F10P40FR
D215	8-719-912-20	s	1SS120
D216	8-719-912-20	s	1SS120
D220	8-719-200-01	s	10E-1
D222	8-719-200-01	s	10E-1

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

FB201 1-543-060-11 s
 FB202 1-543-060-11 s
 FB203 1-543-060-11 s
 FB204 1-543-060-11 s
 FB205 1-543-060-11 s

FB206 1-543-060-11 s

IC101 1-807-814-11 s B-5272(JRM)
 IC201 8-759-135-80 s UPC358C(NEC)
 IC202 8-759-077-33 s TL431CLP(TI)
 IC203 8-759-077-33 s TL431CLP(TI)

L201 A-4935-038-A s CHOKE
 L202 1-421-459-21 s CHOKE
 L203 A-4935-037-A s CHOKE
 L204 1-421-459-21 s CHOKE
 L205 1-421-734-11 s CHOKE

L206 1-421-459-21 s CHOKE
 L207 1-421-459-21 s CHOKE

△ PS101 1-532-605-11 s LINK, IC
 PS102 1-532-605-11 s LINK, IC
 PS201 1-532-605-11 s LINK, IC

Q101 1-807-858-11 s IREP451
 Q102 1-807-858-11 s IREP451
 Q103 8-729-113-32 s 2SB733
 Q104 8-729-113-32 s 2SB733
 Q201 8-729-103-43 s 2SB734

Q202 8-729-178-54 s 2SC2785
 Q203 8-729-178-54 s 2SC2785
 Q204 8-729-178-54 s 2SC2785
 Q205 1-807-914-11 s 2SA1443
 Q206 8-729-177-43 s 2SD774

Q207 1-807-914-11 s 2SA1443
 Q208 8-729-117-54 s 2SA1175
 Q209 1-807-195-11 s 2SC3692
 Q210 8-729-178-54 s 2SC2785

R101 1-247-855-91 s CARBON 10K 5% 1/4W
 R102 1-246-473-75 s CARBON 1K 5% 1/4W

△ R103 1-247-692-51 s CARBON 22 5% 1/4W
 R104 1-247-692-51 s CARBON 22 5% 1/4W

R105 1-247-831-91 s CARBON 1K 5% 1/4W

R106 1-247-831-91 s CARBON 1K 5% 1/4W

△ R107 1-205-622-11 s CEMENT 33 5% 5W

R201 1-247-849-91 s CARBON 5.6K 5% 1/4W
 R202 1-247-837-91 s CARBON 1.8K 5% 1/4W
 R203 1-246-445-75 s CARBON 68 5% 1/4W

Ref No. Parts No. SP Description

R204 1-247-855-91 s CARBON 10K 5% 1/4W
 R205 1-247-861-91 s CARBON 18K 5% 1/4W
 R206 1-247-841-91 s CARBON 2.7K 5% 1/4W
 R207 1-247-849-91 s CARBON 5.6K 5% 1/4W
 R208 1-247-843-91 s CARBON 3.3K 5% 1/4W

R209 1-247-831-91 s CARBON 1K 5% 1/4W

△ R210 1-205-623-11 s CEMENT 47 5% 5W
 R212 1-206-648-61 s FILM 220 5% 2W

R213 1-247-859-91 s CARBON 15K 5% 1/4W
 R214 1-247-855-91 s CARBON 10K 5% 1/4W

R215 1-247-887-91 s CARBON 220K 5% 1/4W
 R216 1-215-451-91 s METAL 18K 1% 1/6W
 R217 1-215-435-91 s METAL 3.9K 1% 1/6W
 R218 1-215-426-91 s METAL 1.6K 1% 1/6W
 R219 1-215-425-91 s METAL 1.5K 1% 1/6W

△ R220 1-213-137-61 s METAL 330 5% 1W

R221 1-246-441-75 s CARBON 47 5% 1/4W
 R222 1-247-831-01 s CARBON 1K 5% 1/4W
 R223 1-247-837-91 s CARBON 1.8K 5% 1/4W
 R224 1-247-835-91 s CARBON 1.5K 5% 1/4W

△ R225 1-213-135-61 s METAL 220 5% 1W

R226 1-247-841-91 s CARBON 2.7K 5% 1/4W
 R227 1-215-446-91 s METAL 11K 1% 1/6W
 R228 1-215-427-91 s METAL 1.8K 1% 1/6W
 R229 1-214-669-71 s METAL 3.3 1% 1/4W

△ R230 1-206-652-61 s METAL 330 5% 2W
 R231 1-206-652-61 s METAL 330 5% 2W

RV201 1-230-667-11 s VAR, CERMET 500

ST201 1-571-055-71 s THERMAL SENSOR

△ T101 1-448-393-11 s CONVERTER
 T102 A-4935-035-A s CONVERTER
 T103 1-421-819-11 s CURRENT
 T104 1-437-188-11 s DRIVE
 T105 1-437-188-11 s DRIVE
 T106 1-447-938-11 s CONVERTER

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

UR-21 M2 BOARD

△C151	1-136-185-12	s	FILM	0.22	20%	250V
C152	1-136-185-12	s	FILM	0.22	20%	250V
C154	1-136-185-12	s	FILM	0.22	20%	250V
C155	1-161-742-12	s	CERAMIC	2200PF	20%	400V
C156	1-161-742-12	s	CERAMIC	2200PF	20%	400V

△C157	1-161-742-12	s	CERAMIC	2200PF	20%	400V
C158	1-161-742-12	s	CERAMIC	2200PF	20%	400V
C159	1-161-742-12	s	CERAMIC	2200PF	20%	400V

C161	1-136-564-11	s	FILM	1.8	10%	250V
C162	1-136-564-11	s	FILM	1.8	10%	250V

C163	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C164	1-161-915-11	s	CERAMIC	1000PF	10%	500V

△C165	1-161-742-12	s	CERAMIC	2200PF	20%	400V
C166	1-161-742-12	s	CERAMIC	2200PF	20%	400V
C167	1-161-742-12	s	CERAMIC	2200PF	20%	400V

C251	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C252	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C253	1-124-556-51	s	ELECT	2200	20%	16V
C254	1-124-555-51	s	ELECT	1000	20%	16V
C255	1-124-923-91	s	ELECT	0.47	20%	100V

C256	1-124-898-51	s	ELECT	4700	20%	16V
C257	1-124-898-51	s	ELECT	4700	20%	16V
C258	1-124-898-51	s	ELECT	4700	20%	16V
C260	1-124-563-51	s	ELECT	2200	20%	25V
C263	1-130-518-91	s	TEREPHTHALATE	0.015	10%	50V

C264	1-130-524-91	s	TEREPHTHALATE	0.047	10%	50V
C265	1-130-524-91	s	TEREPHTHALATE	0.047	10%	50V
C268	1-130-772-21	s	FILM	0.22	10%	63V
C269	1-130-772-21	s	FILM	0.22	10%	63V
C270	1-130-772-21	s	FILM	0.22	10%	63V

△CN151	1-564-215-11	o	PIN, 4P
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CN251	1-566-313-11	o	PIN, 7P
CN252	1-560-893-11	o	PIN, 5P
CN253	1-560-890-21	o	PIN, 2P

D151	1-807-907-11	s	KB088JLM
D153	1-807-913-21	s	11EQS04
D154	1-807-913-21	s	11EQS04
D251	1-807-909-11	s	F10P201
D252	1-807-921-11	s	FMG-34S

D253	1-807-911-21	s	F10P40FR
D254	8-719-109-97	s	RD6.8ES-B2
D255	8-719-912-00	s	1SS120
D256	8-719-912-00	s	1SS120
D257	8-719-200-01	s	10E-1

D258	8-719-911-19	s	1SS119
D260	8-719-912-20	s	1SS120

Ref No. Parts No. SP Description

△F151	1-532-604-21	s	FUSE, 250V 0.3A
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FB251	1-543-060-11	s	
FB252	1-543-060-11	s	
FB253	1-543-060-11	s	
FB254	1-543-060-11	s	
FB255	1-543-060-11	s	
FB256	1-543-060-11	s	

IC251	8-759-007-33	s	TL431CLP(TI)
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△L151	1-421-590-11	s	LINE FILTER
L152	1-421-978-11	s	LINE FILTER

L251	A-4935-039-A	s	CHOKE
L252	1-421-459-21	s	CHOKE
L253	1-421-734-11	s	CHOKE

L254	1-408-322-11	s	CHOKE
L255	1-421-459-21	s	CHOKE
L512	1-421-978-11	s	LINE FILTER

Q151	1-807-858-11	s	IREF451
Q152	1-807-858-11	s	IREF451
Q153	8-729-113-32	s	2SB733
Q154	8-729-113-32	s	2SB733
Q251	8-729-178-54	s	2SC2785

Q252	1-807-195-11	s	2SC3692
Q253	8-729-178-54	s	2SC2785

△R151	1-202-727-11	s	SOLID	4.7M	10%	1/2W
R152	1-205-915-11	s	WIREWOUND	4.7	10%	7W
R153	1-205-915-11	s	WIREWOUND	4.7	10%	7W

R154	1-247-692-51	s	CARBON	22	5%	1/4W
R155	1-247-692-51	s	CARBON	22	5%	1/4W

R156	1-247-831-91	s	CARBON	1K	5%	1/4W
R157	1-247-831-91	s	CARBON	1K	5%	1/4W

△R158	1-205-652-11	s	CEMENT	68	5%	5W
R251	1-205-622-11	s	CEMENT	33	5%	5W

R252	1-247-835-91	s	CARBON	1.5K	5%	1/4W
R253	1-247-855-91	s	CARBON	10K	5%	1/4W

△R254	1-213-135-61	s	FILM	220	5%	1W
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R255	1-247-839-91	s	CARBON	2.2K	5%	1/4W
R256	1-247-843-91	s	CARON	3.3K	5%	1/4W

R257	1-247-859-91	s	CARBON	15K	5%	1/4W
R258	1-214-669-71	s	FILM	3.3	1%	1/4W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

△R259	1-206-652-61	s	FILM	330	5%	2W
R260	1-206-652-61	s	FILM	330	5%	2W

RV251 1-230-668-11 s VAR, CERMET 1K

RY151 1-515-662-11 s POWER

ST251 1-571-055-71 s THERMAL SENSOR

△T151	A-4935-036-A	s	CONVERTER
T152	1-421-819-11	s	CURRENT
T153	1-437-188-11	s	DRIVE
T154	1-437-188-11	s	DRIVE

Ref No. Parts No. SP Description

FRAME

A-6709-634-A	s	HEAD DRUM ASS'Y DUH-45A-R
A-6709-636-A	s	UPPER DRUM ASS'Y DUR-45-R

1-559-298-11 o CABLE, FLAT 10P (KY-144A to SY-102B)

CN914	1-562-227-41	s	RECEPTACLE, BNC "REF VIDEO IN (EXT SYNC IN)"
CN915	1-562-227-41	s	RECEPTACLE, BNC "REF VIDEO IN (EXT SYNC IN)"
CN916	1-562-227-21	s	RECEPTACLE, BNC "SC IN"
CN917	1-561-577-21	s	8P(DIP TYPE) "MONITOR"
CN919	1-561-045-00	s	7P(M) "DUB OUT"

CN920	1-562-227-41	s	RECEPTACLE, BNC "VIDEO OUT 1"
CN921	1-562-227-41	s	RECEPTACLE, BNC "VIDEO OUT 2"
CN922	1-562-227-21	s	RECEPTACLE, BNC "MONITOR VIDEO"
CN923	1-562-227-21	s	RECEPTACLE, BNC "REF VIDEO OUT"
CN924	1-562-227-21	s	RECEPTACLE, BNC "RF (OFF TAPE)"

CN926	1-562-227-41	s	RECEPTACLE, BNC "TIME CODE OUT"
CN929	1-563-029-21	s	RECEPTACLE, XLR,3P(F) "AUDIO OUT CH-1/L" (J)
	1-563-030-21	s	RECEPTACLE, XLR,3P(M) "AUDIO OUT CH-1/L" (UC)
CN930	1-563-029-21	s	RECEPTACLE, XLR,3P(F) "AUDIO OUT CH-2/R" (J)
	1-563-030-21	s	RECEPTACLE, XLR,3P(M) "AUDIO OUT CH-2/R" (UC)

CN931	1-563-029-21	s	RECEPTACLE, XLR,3P(F) "AUDIO OUT MONITOR" (J)
	1-563-030-21	s	RECEPTACLE, XLR,3P(M) "AUDIO OUT MONITOR" (UC)

△CN932	1-509-547-11	s	AC INLET "AC IN"
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CN934 1-560-769-00 s 15P,PLUG "TBC REMOTE"

△F1	1-532-746-11	s	FUSE, GLASS TUBE 4A
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H1002	8-825-578-31	s	ACE,EPS264-5803A "CTL"
H1004	8-825-771-31	s	PP295-58 "TIME CODE"

J1 1-507-553-00 s JACK "HEADPHONES"

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

M1001 8-835-258-02 s DC,BHF-1915B "CAPSTAN"
 M1002 8-835-255-01 s DC,R432278181A "T-REEL"
 M1003 8-835-255-01 s DC,R432278181A "S-REEL"
 M1004 8-835-055-01 s DC,DNR-4700A "LOADING"
 M1005 8-835-179-01 s DC,MCB2B-15 "CASSETTE COMPARTMENT"

M1006 1-541-524-11 s DC "FAN"

ME1001 1-520-393-00 s "AUDIO CH-1"
 ME1002 1-520-393-00 s "AUDIO CH-2"
 ME1003 1-520-500-11 s "VIDEO/RF"

PM1001 1-454-417-31 s 12V 12/90ohm "S-BRAKE"
 PM1002 1-454-417-31 s 12V 12/90ohm "T-BRAKE"
 PM1003 1-454-416-31 s 12V 7/35ohm "PINCH"

AS901 1-570-117-11 s ROCKER "POWER"

18-4. PACKING MATERIAL AND ACCESSORIES (SUPPLIED)

Part No. SP Description

A-6729-494-A s EXTENSION BOARD, EX-127
 A-6729-495-A s EXTENSION BOARD, EX-128

1-556-760-00 s CORD, POWER (3 CORE)

1-555-873-13 s CABLE, REMOTE CONTROL 9P
 3-688-884-01 o CUSHION, UPPER

3-688-885-01 o CUSHION, LOWER
 3-701-625-00 s BAG, POLY (FOR EX-127)
 3-701-632-00 s BAG, POLY (FOR MANUAL)
 3-701-634-00 s BAG, POLY (FOR EX-128)
 3-701-649-00 s BAG, POLY (FOR VTR)

3-721-446-01 o INDIVIDUAL CARTON
 3-718-784-01 o SLEEVE
 3-718-785-01 o SPACER

18-5. FIXTURE (OPTION)

Part No. SP Description

J-6001-820-A o DRUM ECCENTRICITY GAUGE (3)
 J-6001-830-A o DRUM ECCENTRICITY GAUGE (2)
 J-6001-840-A o DRUM ECCENTRICITY GAUGE (1)
 J-6001-930-A o DRUM ECCENTRICITY GAUGE (4)
 J-6009-830-A o FLATNESS PLATE

J-6026-240-A o ADJUSTMENT DRIVER
 J-6130-010-A o REEL TABLE HEIGHT CHECK BASE JIG
 J-6130-020-A o REEL TABLE HEIGHT CHECK JIG
 J-6150-140-A o ECCENTRIC SCREWDRIVER (6 MM DIA.)
 J-6153-020-A o DIHEDRAL ADJUSTMENT SCREWDRIVER

J-6153-720-A o REEL MOTOR SHAFT SLANTNESS ADJUSTMENT JIG
 J-6153-730-A o HEXAGONAL SCREWDRIVER (1.27 MM)
 Y-2031-001-0 o CLEANING FLUID
 2-034-697-00 o CLEANING PIECE
 3-702-390-01 o ECCENTRIC SCREWDRIVER (4 MM DIA.)

3-702-391-01 o ECCENTRIC SCREWDRIVER (5 MM DIA.)
 7-700-736-01 o L-SHAPED HEXAGONAL WRENCH (1.27 mm)
 7-700-736-05 o L-SHAPED HEXAGONAL WRENCH (1.5 MM)
 7-723-902-00 o DENTAL MIRROR
 7-732-050-30 o TENSION SCALE (100G FULL SCALE)

7-732-050-40 o TENSION SCALE (200G FULL SCALE)
 8-960-015-16 o ALIGNMENT TAPE, RR5-4SB
 8-960-037-02 o ALIGNMENT TAPE, RR2-1SD
 8-960-037-80 o ALIGNMENT TAPE, RR5-1SD
 8-899-999-53 o TORQUE MEASUREMENT TAPE (100 MM DIA.)

9-911-053-00 o THICKNESS GAUGE
 Standard HEAD DEMAGNETIZER, HE-4
 Products

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

